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EMIST and DRUGGIST NOVEMBER 8, 1947

The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

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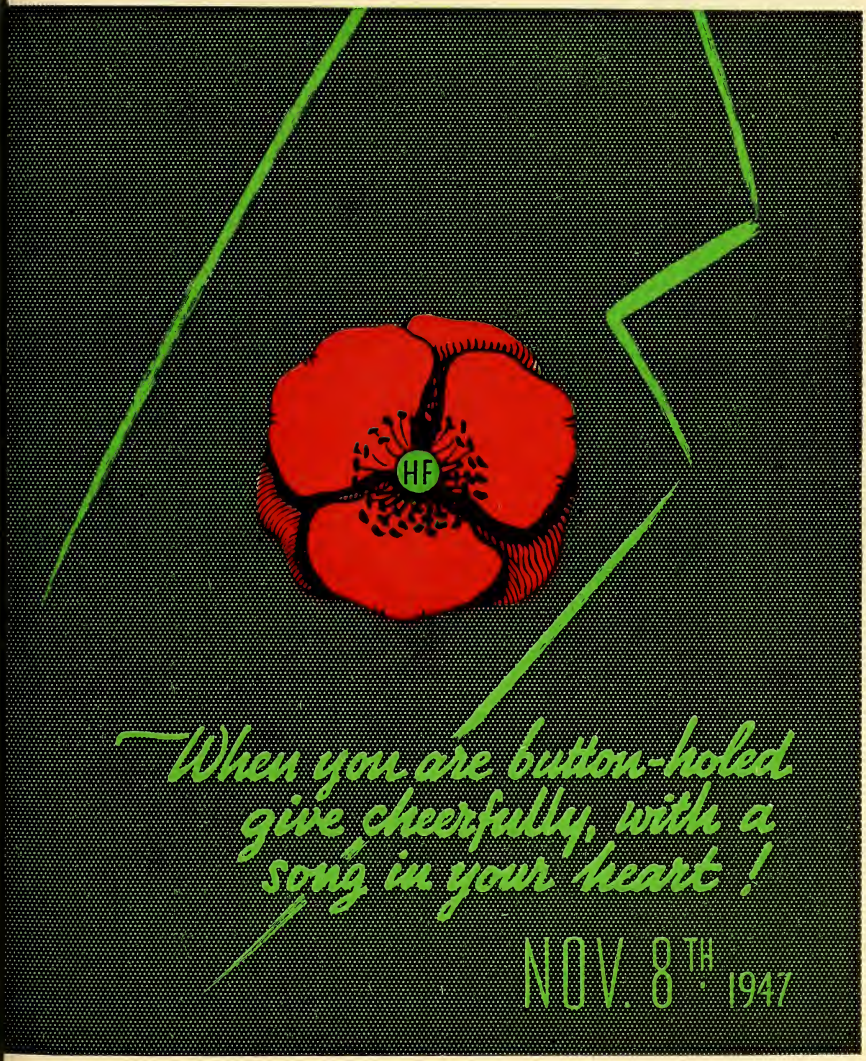
3533 CXLVIII NOVEMBER 8, 1947 Annual Subscription (with Diary) 30/-. Single Copies 1/-



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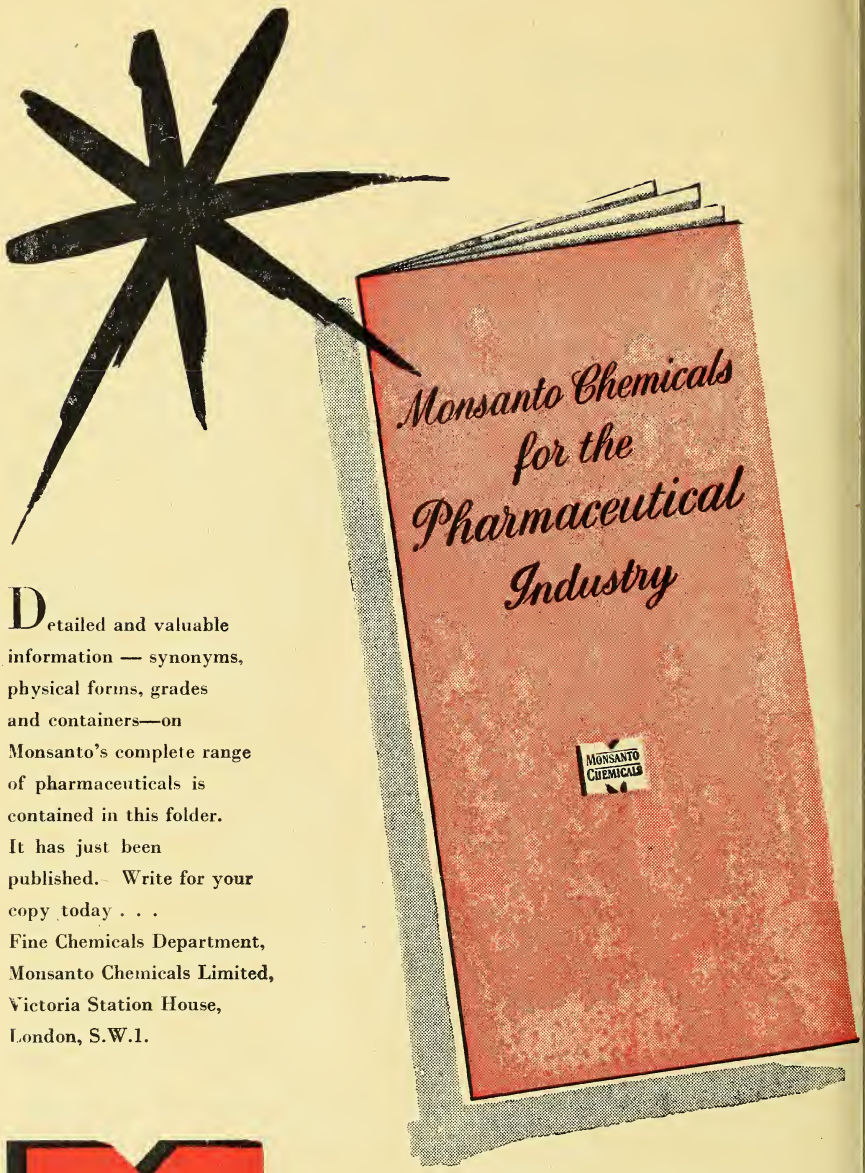

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this

chilblain

business

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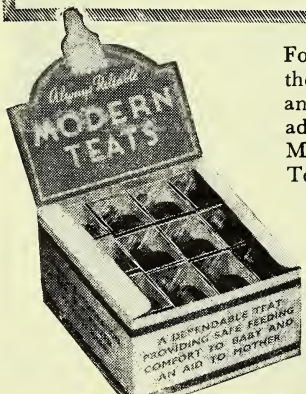

The "MODERN
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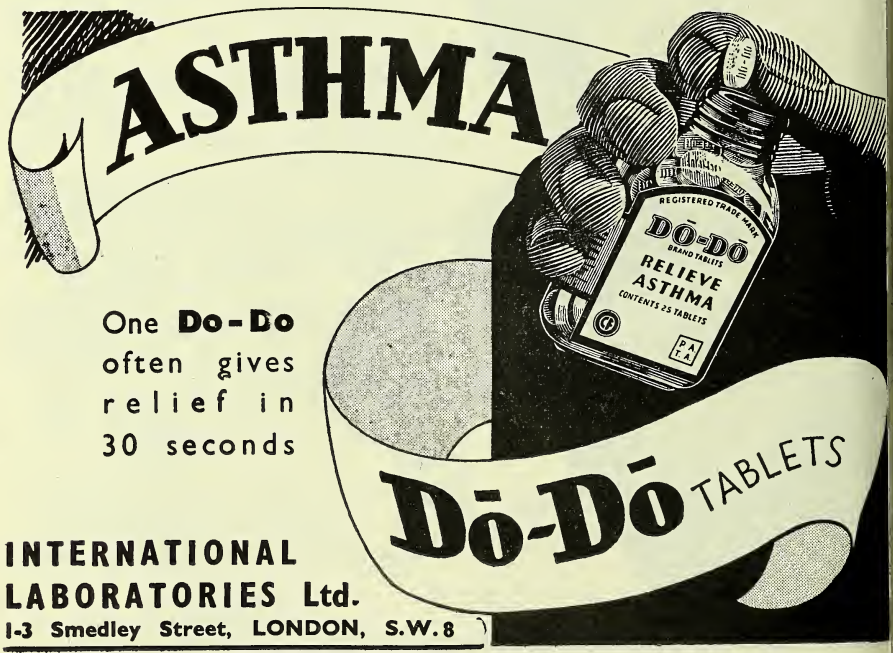

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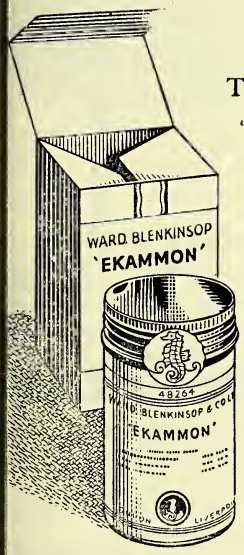
ASPIRIN
CASCARA
and all
TABLETS and PILLS

Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.
Latest Automatic Pill Plant.
WE WELCOME ENQUIRIES

CASTLE HUSKISSON LTD
MANUFACTURING CHEMISTS
SWINTON WORKS, MOON STREET, ISLINGTO
LONDON, N.1
Telephone : **Canonbury 3466**
ESTABLISHED 1768

5 REASONS WHY "Ekammon"

IS THE PRODUCT OF CHOICE IN SALICYLATE THERAPY . . .



The inclusion of vitamins C and K in "EKAMMON" :—

1. prevents salicylate-induced hæmorrhagic tendencies due to depression of the blood prothrombin level ;
2. counteracts C-avitaminosis, thereby accelerating the detoxication of febrile patients ;
3. maintains integrity of the capillary walls ;
4. induces, in many cases, a remarkable feeling of well-being, uncommon with salicylate therapy alone ;
5. enables the exhibition of massive doses of salicylates without fear of toxic sequelæ.

ACH TABLET CONTAINS

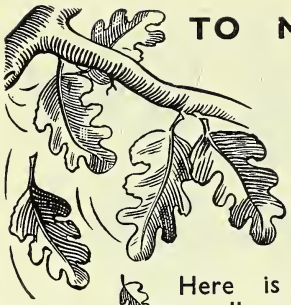
id Acetylsalicylic	... 0.33 gm.
amin C	... 20 mgm.
amin K	... 0.33 mgm.

WARD, BLENKINSOP & CO LTD

Trade Mark

HENRIETTA PLACE LONDON W.1. Telephone LANgham 3185. Telegrams Duochem Wesdo London

P47



TO MEET THE SEASON'S DEMAN

for COUGH MIXTUR

Ventay

Here is a first rate product with an excellent profit—9/2 on every dozen bottles.

Striking counter display material available.

Prices — *Retail* 2/5 (inc. purchase tax)
Trade 19/10 doz. (inc. tax)

Prepare for the months ahead now — Order immediately from :

P.A.T.A

Makers of the popular Ventay Bronchial Tablets

HOWARD - TAYLOR LIMITED
BALHAM HIGH ROAD, LONDON, S.W.12
Telephone : Balham 6546

50 Years' Test—
has proved the valu
of

GET YOUR CUSTOMER TO TRY IT!
Retail price (including tax) 1/8
(Wholesale terms 12/- doz. Tax 2/- doz.)
LOFTHOUSE & SALTMER, LIMITED, HULL

GROUND
DRIED YEAST
MIDGLEY & PARKINSON, LTD
WARREN WORKS, PUDSEY, LEEDS

BLYTON ASTLEY & CO., LTD.
Eagle Laboratories
LOWER BROUGHTON, MANCHESTER
thank their customers for their patience and fo bearance during these difficult times, and assu them that every effort is being made to supp quickly lines which they have previously purchase

Worth selling!
P.A.T.A

FENOLIN FLUID
ELDON Vaporiser
FOR WHOOPING COUGH
licorieine
FOR COUGHS AND COLDS

HALL FORSTER & CO. LTD.,
NEWCASTLE UPON TYNE

Make Window Displays Now

Attractive display stand and pocket calendars for counter distribution. Available on request.

P.A.T.A.

ESOBACTULIN, the modern scientific product for protection against colds, is being advertised to millions of potential customers. The complete course, consisting of 6 capsules taken over 5 days, is designed to give 3 months' immunity from Colds.

COMPLETE COURSE 7/6 Inc. Tax

Good profits — 33⅓% discount, plus special bonus of 13 to the dozen.

Supplied through all C.F Wholesalers

ESOBACTULIN
PROTECTION AGAINST COLDS

A product of
SOUTHON LABORATORIES LTD., UPPER RICHMOND ROAD, LONDON, S.W.15

COLD FACTS

As the thermometer drops, the number of colds increases—and your sales of ANTIPHLOGISTINE go up,

The "Moist Heat" of ANTIPHLOGISTINE, the ready-to-use medicated poultice, helps to relieve those distressing symptoms of a chest: cold cough, tightness of the chest, muscular aches and pains.

The story of **Antiphlogistine** *is being carried to the medical profession by medical journals.*

P.A.T.A.

Antiphlogistine
TRADE MARK

THE DENVER CHEMICAL MFG. CO.
LONDON, N.W.9

Ext Hepatis Liq. B.P.

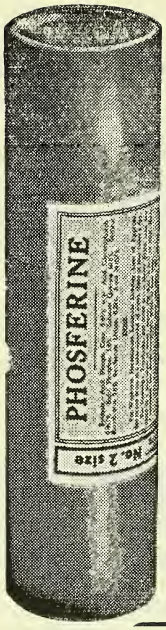
Ext Hepatis Liq.
PROTEOLISED

Ext Hepatis Tablets

Injectable Liver
2cc Ampoules and in Vials

Competitive Quotations

GEDEON RICHTER (G.B.) LTD.
14/18 WEEDINGTON ROAD,
LONDON, N.W.5



PHOSFERINE

TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

Make sure your stocks are equal to the demand

PHOSFERINE (Liquid and Tablets) available in 2 sizes

No. 1 retails at 1/4 including Purchase Tax
No. 2 " " 3/3 " " "

PHOSFERINE (Ashton & Parsons) Ltd., St. Helens, Lancs.

SUNRAY (REGD.)

MALT WINE PRODUCTS

A quick selling and profitable line for Wine Licence Holders.

	Fixed Max. Price
GINGER WINE .	12/6
ORANGE WINE . .	12/6
SWEET & DRY WINE . . .	10/6
VELVET LADY COCKTAIL .	12/6
MORELLO COCKTAIL . . .	14/6
SWEET NELL COCKTAIL	14/6

Trade enquiries to

RICHARD DAVIS LTD.

49. Old Bond Street, London, W.1.
Est. 1864

AMPOULES

Ampouled Injections and Powder Ampoules in large or small quantities. Specialist production under experienced Chemical and Medical supervision.

Trade enquiries invited

MARKWELL, EDWARDS & CO. LTD.
589, High Road, London, N.12 Hillside 5806

HARRINGTONS *Brand*

ASPIRINS

7½ & 5 grain Packed 10's to 1,000's

HOME AND EXPORT

London Office : 2 BERRIDGE Grn., EDGWARE, LONDON

SURE-SELLING STOCK!

OVER 150 YEARS REPUTATION

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

9d. BOX PROFIT by ordering 1 doze 3/- size. Bonus box given on ever dozen (13). It pays to push this size

C. & G. KEARSLEY LTD
71 Dartmouth Rd., London, S.E.
Est. 1787 in the Reign of King George I

The following message has been issued to the public :

You have been warned!

Babies need Ribena Blackcurrant Syrup, rich in natural vitamin C But unless empty bottles are returned to the chemist at once, it will be more difficult than ever to keep up regular supplies. This must not happen, for baby's sake. Will you do your share to help?

Ribena BLACKCURRANT SYRUP

H. W. CARTER & CO. LTD., THE OLD REFINERY, BRISTOL. 2

PLEASE DON'T ARREST THE FLOW OF EMPTIES

As you get a few together, will you please see that empty Ribena bottles are returned at once by the same route and channel as that by which full supplies were received? Transport difficulties make it unwise to wait until you get a lot.

New **inexpensive**

Floral COMPOUNDS

Ideal for POPULARLY PRICED Perfumes and Toilet Waters for the **XMAS TRADE**

Ask for special quantity quotations and samples

PIGALLE
(International) Ltd.
Phone: WILLESDEN 2727

1-2 AVENUE CLOSE, POPLARS AVE., LONDON N.W.2

Remember

A number of new, interesting products will be introduced under this mark from time to time as conditions permi

R. DEMUTH LT
FARNHAM - - SURR
Telephone : FARNHAM 5194

NOW *Nationally Advertised*

Protects against Dirt, Grime, Stains & Chafing. Non-sticky. Leaves hands clean, smooth and healthy. No Soap or hot water necessary. 18s. 9d. per doz. (plus 6s 3d. P.T.) to retail at 2s. 11d. per jar.

VERDIERS LTD.,
35 OLD BOND STREET, LONDON, W.1

KOKO *FOR T* **HAI**

50 years' reputation as
HAIR TONIC and DRESSING
PROMOTES GROWTH
STOPS FALLING HAIR
CLEARS DANDRUFF
Delightfully perfumed
Thousands of testimonials

Stocks available at Wholesalers.
KOKO MARICOPAS CO. LTD., 3, Fleet Lane.

SHADEIN
FOR GREY HAIR

FIFTY YEARS' REPUTATION
All shades. Two sizes only at present. Retail prices 2/8. and 5/- (including Purchase tax).

STOCKED BY ALL LEADIN WHOLESALERS

Precipitated Calcium Carbonate Sturge

n the development of a scientific product correct nomenclature obviously only a detail. But even the smallest details have heir place in the scheme of things.

Ve have thought it desirable to institute a new method of escribing the various grades. A leaflet giving this information being posted to all present and past buyers. Further copies ill gladly be supplied on application.

★

JOHN & E. STURGE LTD.

WHEELEYS ROAD, BIRMINGHAM, 15

Manufacturers of fine chemicals since 1823

52% Honey and Sugar!

100% Efficient!

35½% Profit!

(ON BEST DISPLAY TERMS)

Consistent national advertising has made 'Pineate' a household word. Wise mothers know that children love this delicious *honey* cough syrup and that it definitely eases coughing. They also know that a dose of 'Pineate' at bedtime will relieve all ordinary coughs—even the most persistent—and will greatly assist in promoting sound, peaceful sleep.

Look at your stock of 'PINEATE' and see how you stand. See that you have a full supply for the heavy demand that will come with the cold weather; a demand which will be fully supported by national advertising. Take advantage of our generous display terms, 12½% on all orders of £10 and over; 10% on all orders of £5 and over. Any of the many I.C.C. lines may be included.

STOCK AND DISPLAY

Trade Terms: 13/9 per doz.
Pur. Tax 2/3½ per doz. Retails at 1/9 (*including tax*)

Price per doz. on best display terms . . . 12/0½

Pineate

REGD

HONEY Cough-Syrup

INTERNATIONAL CHEMICAL CO. LTD. CHENIES STREET, LONDON, W.C.

MANESTY

TABLET MAKING MACHINERY

MANESTY F TABLET MACHINE — OUTPUT 90 PER MIN. R TABLETS UP TO 3/4" DIAM.

MANESTY Nº1 TABLET MACHINE — OUTPUT 90 PER MIN. FOR TABLETS UP TO 1/2" DIAM.

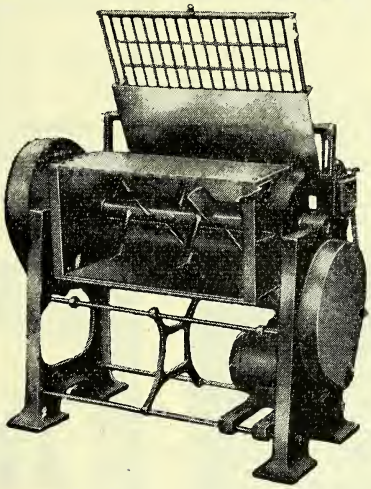
MANESTY E TABLET MACHINE — OUTPUT 90-100 PER MIN FOR TABLETS UP TO 1/2" DIAM.

MANESTY HAND COMPACT PRESS — OUTPUT 2000 COMPACTS PER DAY.

MANESTY COPPER COATING PAN STANDARD SIZE 30" DIAM.

MANESTY B.B.3 ROTARY TABLET MACHINE — OUTPUT 1000-1500 PER MIN. R TABLETS UP TO 1/2" DIAM.

MANESTY MIXER



FOR DRY OR MOIST POWDERS
IDEAL FOR TABLET MAKING

MANESTY B3 ROTARY TABLET MACHINE — OUTPUT 400-500 PER MIN. FOR TABLETS UP TO 1/2" DIAM.

MANESTY Nº2 TABLET MACHINE — OUTPUT 55-220 PER MIN. TABLETS UP TO 1 1/2" DIAM.

MANESTY D3 ROTARY TABLET MACHINE — OUTPUT 300-350 PER MIN. FOR TABLETS UP TO 1" DIAM.

MANESTY R.S.1 ROTARY TABLET MACHINE — OUTPUT 168-336 PER MIN. TABLETS UP TO 1 3/8" DIAM.

MANESTY OSCILLATING GRANULATOR — OUTPUT 150-224 LBS. PER HOUR

MANESTY MIXER — CAPACITY 100 LBS. OF POWDER

MANESTY Nº3 TABLET MACHINE — OUTPUT 30-400 PER MIN. FOR TABLETS UP TO 2 1/4" DIAM.

MANESTY MACHINES LIMITED

5 SPEKE HALL ROAD, LIVERPOOL, 19

LEPHONE: HUNTS CROSS 1321 TELEGRAMS: MANESTY, LIVERPOOL

Re-introducing
PERFUMES BY
THE HOUSE OF
Mury PARIS

LE NARCISSE BLEU

For the present—only a very small allocation—we'll share this fairly amongst our customers but we hope larger supplies will soon be available.

(DEPT. A) Madelox Limited
Sole Distributors for the British Isles
TELEPHONE BLAckfriars 0177/8
168 · CORPORATION STREET
MANCHESTER · 4

National Advertising is creating a demand for

Nuctone
SAFE FOR GREY HAIR

THE NATURAL AND PERMANENT HAIR TINT
now available in two sizes and four grades attractively packed for home use.

Special introductory parcel sent C.O.D. containing 9 small size Nuctone assorted. Total Cost 17/8 + 17/8 Tax — £1-15-4

POST AND C.O.D. CHARGES FREE
SHOWCARD PROVIDED
Export enquiries invited

STEWART, GOODALL & DUNLOP, LTD.
121A PRINCES ST., EDINBURGH
ON P.A.T.A. LIST

Fragrant · Soothing · Luxurious

dellwood limited
creators of high-grade perfumery
SUTHERLAND ROAD · LONDON E.17

Tintex

THE WORLD'S LARGEST-SELLING HOME DYE

CHEMISTS' AGENTS:—
Thos. Christy & Co., Ltd.
Farnham, Surrey.

Here is one of the charming illustrations specially drawn by Pierre Pagès, and featured in the National Press Advertising under the heading "Today in Bond Street."

BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Advertising put out by the House of Atkinsons has always been noted for its distinctiveness. But reports received, from both Trade and public alike, suggest that the latest campaign for Gold Medal Eau de Cologne is getting more attention than any so far. This attractive series, under the title "Today in Bond Street," is appealing frequently to millions of women via the National and Periodical Press. The arresting Fashion drawings by the eminent French artist Pierre Pagès are featured in order to remind every woman that Atkinsons Eau de Cologne has its own assured place in the world of fashion.

ATKINSONS
GOLD MEDAL
Eau de Cologne

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON W.1

AET 2-1062

after every bath

after every nappie change

Mothers need BOTH to keep their babies happy and protected !
You know all about BABY POWDER: here are some facts about BABY LOTION:—

what BABY LOTION *is*

An emulsion of specially compounded mineral oil, lanolin and water which agrees perfectly with a baby's skin.

what BABY LOTION *advantages are*

A gentle but effective antiseptic gives protection against surface bacteria. Thoroughly homogenized to allow the skin to "breathe".
Not sticky or messy; will not spoil baby's clothes.

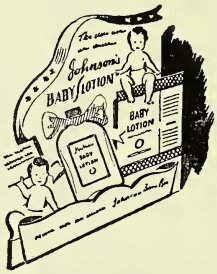
what BABY LOTION *does*

Gives waterproof protection against urine and prevents nappie irritation.

Soothes chapped, chafed areas and relieve soreness.

when BABY LOTION *should be used*

After every nappie change and fo "tubless" baths.
Can also be used whenever there's a suspicion of soreness.



Mothers won't be able to resist the appeal of these mother-come-hither display pieces. Show them prominently to make Baby Lotion the best-seller that Baby Powder already is.

JOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH AND GARGRAV

FOR YOUR VETERINARY COUNTER..

RAXY (sometimes known also as "bradshot" or red water" of sheep) is a seasonal disease of sheep aused by the anaerobic organism *Clostridium septicum* nd endemic in certain areas. Outbreaks usually occur n the late autumn and early winter.

ormerly, braxy was the cause of heavy annual losses. oday, an increasing number of farmers are making se of the protection afforded by 'Wellcome' brand raxy Vaccine — one of the many important contriutions of The Wellcome Physiological Research aboratories to veterinary medicine.

he advantages of immunisation against braxy are easonably advertised in the farming press, and eterinary interest is maintained by regular press ublicity and detailing. In "braxy areas", pharmacists an make a valuable contribution to the nation's food upplies by stocking 'Wellcome' brand Braxy accine — a dependable product with profitable sales ossibilities.

'WELLCOME' BRAND
BRAXY VACCINE

Bottles of 100 c.c.
(20 Doses) 6/6

Bottles of 250 c.c.
(50 Doses) 14/9

Trade Prices (Subject)

Prepared at
THE WELLCOME
PHYSIOLOGICAL
RESEARCH
LABORATORIES

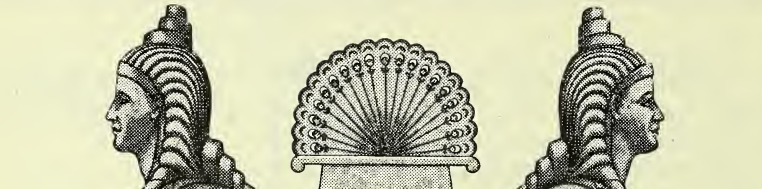
'WELLCOME' BRAND

Braxy Vaccine

Supplied by

BURROUGHS WELLCOME & CO.
(THE WELLCOME FOUNDATION LTD.) **LONDON**

For BACTERIOLOGICAL SUGARS



THOMAS KERFOOT & CO. LTD., VALE of BARDSLEY, LANCASHIRE

K32

ACTRON

BRAND **CACHETS**

ANALGESIC and ANTIPYRETIC

FORMULA :

Quinine	.. ..	0·096 grams
Caffeine ..	.. ..	0·054 ,,
Phenazone	.. ..	0·150 ,,
Phenacetin	.. ..	0·250 ,,
Magnesium oxide	..	0·100 ,,

INDICATIONS :

INFLUENZA and feverish colds.
NEURALGIA, RHEUMATISM and HEADACHES.
DYSMENORRHŒA.
PAIN following teeth extraction.

Available in boxes of 4 and 12 cachets

FERRAEMIA

BRAND **TABLETS**

FOR ANAEMIA

FORMULA :

Ferrous Sulphate exsicc. ..		2¾ **grains**
Dried Yeast	.. ..	2 ,,
Copper Sulphate ..	..	$\frac{1}{100}$,,
Manganese Hypophos.	..	$\frac{1}{32}$,,
Excipient and coating	to	8½ ,,

INDICATIONS :

As a tonic during convalescence and in debilitated conditions.
Anaemia of Pregnancy.
Nutritional Anaemia.
Idiopathic Hypochromic Anaemia.

Available in bottles of 60 and 1000 tablets

WILCOX, JOZEAU & CO. LTD.

74-77 White Lion Street, London, N.1. **19 Temple Bar, Dublin**

Chemist and Druggist November 8, 1947

The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALER—MANUFACTURER

ished weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON." Telephone: CENTRAL 6565 (10 lines)

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NEWS OF THE WEEK

ental Health Congress. — Forty-two tries have agreed to be represented at nternational congress on mental health held in London, August 11-21, 1948.

ottish Hospital Boards.—The Secre- of State for Scotland has issued an r (S.R. & O., 1947, No. 2261/S.82) iding for the appointment of members cottish Regional Hospital Boards and ds of Management, and setting out of procedure for the Boards.

ircraft Research Laboratory.—A new istry laboratory devoted to the chemi- and physical investigation of all non- llic substances used in aircraft con- tion was opened by the Minister of ply (Rt. Hon. G. R. Strauss, M.P.) at the l Aircraft Establishment, Farn- ugh, Hants, on October 29. Methods r investigation include gas analysis by use of infra-red rays. About half of ffort in the laboratory is to be given to -term research, and as many of the ts as possible are to be published.

.F. Propaganda Fund.—The Chemists ration has circularised its members with a statement on publicity and propaganda. It recommends that a planned propaganda campaign should be launched as soon as possible to remind chemists and inform the public of the principles for which the Federation stands, and to acquaint members of the medical profession and appropriate Government Departments with the value of C.F. standards. The preliminary programme suggested includes: (a) Direct propaganda to chemists to secure increased support for the movement. (b) Booklets and leaflets for distribution by chemists to the public explaining the services a pharmacist provides and emphasising the advantages of insisting upon C.F. products. (c) A brochure or letter to doctors explaining the work of the C.F. Standards Committee. (d) Display material to chemists, etc. The C.F. Council, inviting support to this appeal, recommends an initial sum of £5 covering five years as a contribution from each retailer member.

Payments for War Damage.—The War Damage Commission announced recently that the first bulk issue of value payments for properties ranked as total losses from

war damage will be made on November 10. Payments covering about 106,000 claims, relating to about 140,000 properties, will amount to about £100,000,000, including an increase of 45 per cent. over 1939 values and simple interest at 2½ per cent. per annum from the date of damage to the date of payment. Income tax on the interest at the standard rate of 9s. in the pound and any unpaid war damage contribution will be deducted. With each payment will be sent a statement showing how it has been calculated, and an income tax certificate to enable the claimant to apply for a refund of tax where the standard rate is not payable. The Commission states that it hopes to make a further bulk payment of about £10,000,000 in mid-December on 10,000 claims in which the necessary information on title or shares reached the Commission too late for payment on the first paying day. Payments will then be made at monthly intervals as outstanding cases become ready for payment. Inquiries about payments should be made in writing to the appropriate regional office of the Commission, not to the Commission's headquarters. The Commission has drawn attention to an appeal made by the Chancellor of the Exchequer for as much as possible of such payments to be invested in National Savings.

LOCAL NEWS

Stockport Ether Explosion. — Three people were severely burned at Stockport on October 30 when a bottle of ether exploded at the Heaton Moor Road premises of Cort's Foot Health Services, Ltd. The bottle had been placed in front of a fire in an attempt to loosen the stopper.

Lecture on Laboratory Animals. — At a recent meeting of the Hendon and Edgware Branch of the Pharmaceutical Society, Mr. A. L. Bacharach (Glaxo Laboratories, Ltd.) gave an address, illustrated with lantern slides, on the use of laboratory animals for purposes of teaching, research and biological assay.

Harrow Social.—The annual social of the Harrow Branch of the Pharmaceutical Society, held on October 22, was attended by some 120 members and friends. Entertainment was provided by Mr. J. M. Atkinson (chairman), accompanied at the piano by Miss M. E. Plear, and by Miss D. I. Morgan and Messrs. B. D. Cameron, R. Goode, H. W. Tomski and C. F. Webb (all members of the Branch committee).

Warrington Film Show.—Local doct dentists and nurses attended a film show Warrington on October 27 as guests of Warrington Branch of the Pharmaceut Society. The programme included "Spi Anæsthesia," "Take Thou," and "P cillin in Surgical Practice." Mr. R. Sutton (chairman) welcomed the guests, refreshments were provided by Ev Medical Supplies, Ltd.

Science and Crime Detection.—M bers of the Sheffield Branch of the Pharm ceutical Society were guests of the lo branch of the National Association Women Pharmacists at a meeting h in Sheffield on October 29, wl Detective-Superintendent Towell (Wa field Forensic Laboratory) spoke "Science in the Detection of Crime." talk was illustrated with lantern slides.

Birmingham Scientific Lecture.— first scientific lecture of the winter sess organised by the Birmingham Pharmac tical Association was held on October when Mr. R. Gaddie, Ph.D., B.Sc. (l chemist, Birmingham General Hospi spoke on liver function. Mr. R. Gould (president) was in the chair. A vote thanks to the speaker was proposed by F. R. C. Bateson and seconded by Mr. F. Gunn.

Exeter Meeting "Overflows." — Exeter Branch of the Pharmaceuti Society held its first meeting of the wir session on October 30, Mr. P. M. Sm (chairman) presiding. Owing to a hea attendance, the meeting was transferred a larger hall. Mr. D. G. Ardley (May Baker, Ltd.) spoke on "Recent Advances Therapeutics," dealing in turn with the s phonamides, penicillin, the anti-histamin streptomycin, the aromatic amidines, a BAL.

Liverpool Factory Visits.—Members the North Staffs Branch of the Pharmac tical Society recently visited the penicil factory operated at Speke by the Distill Co., Ltd. On the same day another pa visited the works of Ayrton, Saunders Co., Ltd., Liverpool. Both parties w afterwards entertained to dinner by t latter company. Among those present w Messrs. H. C. Shaw (vice-president, Ph maceutical Society) and T. G. Law (chairman, North Staffs Branch). The vis were arranged by Mr. A. Chapman (ma aging director, Ayrton, Saunders & C Ltd.).

anchester Masonic Evening. — The chester Pharmaceutical Masonic Asso- n held a ladies' evening in Manchester ctober 29. The guests were received e chairman (Bro. G. V. Tyler) and Tyler. Dinner was followed by a drive in which the following were winners: Mesdames Longmire, N. E. Hodkinson, Hodgson, A. Wild, and Harding, and Bros. J. Draper and een, and Miss Rhys Howell. Bros J. rds and A. Wild acted as masters of onies.

emical Company's Golf.—Twenty- members of the Monsanto Golfing ty met for an all-day tournament at man's Park recently. A four-ball competition was won by Messrs. Mortimer and G. Dodd, who finished p on bogey. Messrs. E. C. Cocks and . Crane were runners-up. A match en the captain's and the secretary's ended in a draw. Mr. E. A. O'Neal aging director), and Mr. G. Powley d against Messrs. S. Turner and G. , who were three down with four holes ay. They squared the match at the teenth hole and the last hole was d in par.

rth Wales and the Council. — At a ng of the Anglesey, North Carnarvon- and Colwyn Bay Branch of the Phar- utical Society held at Bangor on Octo- 9, attention was drawn to the vacancy e Society's Council caused by the resig- n of Mr. G. R. Knox Mawer. Mr. Mawer, it was stated, had been d upon by many as the representative elsh pharmacy, and it was proposed he Council should be asked to co-opt place a member who could continue epresentation. A motion nominating Gwilym H. Hughes, Colwyn Bay, for mendation to the Council, was d unanimously, and the secretary was cted to seek the support of other branches. Mr. Llewellyn Jones, vch, gave a report on the British Phar- utical Conference held at Torquay in mber, and Mr. Gwilym Hughes ted on the position of rural dispensing e new Health Service. At the con- n of the meeting a presentation was to Mr. James Birmie to mark his ment as representative in North Wales he British Drug Houses, Ltd., after -two years' service with the company.

verpool Education Discussion. — At eting of the Liverpool Chemists' Association and Branch held on October 9, Mr. E. A. Briggs in the chair, the appointment of Mr. J. P. Murphy as *Secretary* was confirmed. A suggestion was made that the agenda and reports for discussion at the British Pharmaceutical Conference should be received in time for them to be discussed at a Branch meeting. The chairman gave an account of the Branch Representatives' meeting (*C. & D.*, October 4, p. 418, and October 11, p. 448). He thought the practical training should be taken before the academic, and that the present qualification was sufficient for anything required in retail pharmacy. Mr. H. Humphrey Jones said that if pharmacists in the clinics held higher qualifications than those in the shops, it would encourage people to have their dispensing done at the clinics. Mr. W. J. Tristram said that one of the objects of the new policy was to bring pharmaceutical education in Britain into line with that in other countries. At the present time there was not enough to distinguish the pharmacist from the technician who had worked in a chemist's shop for a number of years. The new standards would put the pharmacist on a far higher level than the technician, who could do that part of the work it was not necessary for the pharmacist to do. The pharmacist should supervise and do the work he was intended to do.

IRISH NEWS

Irish Drug Association.—At a meeting of the Committee of the Irish Drug Association held on October 27, a vote of sympathy with Mr. John Gleeson was passed on the death of his wife. Mr. B. R. Smith (secretary) reported that it had become necessary to purchase £200 of stock to deposit with the Accountant, Courts of Justice, Dublin, for the Association to conform with the second part of the Schedule of the Trade Union Act, 1941. On the proposal of Mr. T. C. Scott (treasurer), seconded by Mr. M. Costello (president), it was decided to alter the rate of subscription to £3 3s. per annum for each open shop. A letter read from the Department of Industry and Commerce stated that the existing arrangements for allowances of sugar to retail chemists could not be modified.

Eire Examination Results.—The following candidates were successful in the October examinations of the Pharmaceutical Society of Ireland: *Licence examination*, John Gallagher, Augustine Gleeson, Winifred Rhatigan (with honours), William

Bertram, Francis Bourke, Patrick Boyd, Kathleen Carty, James Connolly, Anna Dorrian, Margaret Ford, John Kelly, Robert Magner, Charles Martyn. Michael Mortell, Eveleen MacMahon, John J. E. O Brien, John P. O'Brien, John Stack, Francis Timoney, Joan Walshe, Michael White. *Assistants' examination,* Mary Delaney, Michael Duffy, Margaret Fehily, Una Gleeson, Gabriel Griffin, Marion Hinchy, Thomas Hogan, Mary Magner, Roderick McAuliffe, Mary McDermott, Pauline Nash, James O'Kennedy, Julia Quilty, Donal Sammon, Dorothy St. John, Matthias Walshe.

N.I. Health Bill Criticised. — Pharmacists from all parts of Northern Ireland were represented at a meeting in Belfast on October 29 at which Mr. Robert Gibson (president, Ulster Chemists' Association, and chairman, Pharmaceutical Negotiating Committee) described negotiations that had taken place with the Minister of Health on the Northern Ireland Health Services Bill. Following the appointment of the Pharmaceutical Negotiating Committee, said Mr. Gibson, recommendations had been submitted to the Ministry of Health on May 2 with a request for a further meeting. No written reply had been received until August 5, and nothing further had been heard until the Bill was presented for its first reading in Parliament. It was then found that the most important recommendations of the committee had not been acted upon. The Minister, concluded Mr. Gibson, accepted suggestions for postgraduate courses and the establishment of a drug pricing bureau, but of other amendments which had been presented to him, only one had proved acceptable. After discussion, resolutions were carried urging the Minister of Health to make provision in the Bill for the payment of compensation to pharmaceutical chemists who suffered loss of profits under the proposed legislation, and to omit from the Bill any provision for dispensing in health centres. It was stated that the Minister of Health is to move an amendment that, before making any regulations under subsection 2 of Clause 12 (which concerns pharmaceutical services), the Ministry shall consult such organisation or organisations as may be recognised as representing the pharmaceutical profession. Another amendment is to provide that the Drug Pricing Committee shall be a committee of the Health Services Board, on which pharmaceutical representation has already been proposed.

OVERSEAS NEWS

Chicago Chemical Exhibition.— fifth national chemical exposition of Chicago section of the American Chem Society is being held October 12-16, 1

Canadian Streptomycin.—The pro tion of streptomycin in the form c streptomycin-calcium chloride complex been announced by a Quebec comp The complex is said to cause less pai injection than pure streptomycin.

U.S. Nicotine Research. — The Department of Agriculture has approve research project for the recovery of nico from the wild tobacco plant *Nicot rustica.* The domestic insecticide indu is faced with a prolonged nicotine short

Chinese Scientific Conference. — annual conference of Chinese scien organisations, held in Shanghai recen passed resolutions urging the adoption long-range plan for the development scientific undertakings in China, and ing for atomic research to be non-secre

Cancer Detection Clinic.—Three h dred patients have been examined du the first eight months' work of a ne established cancer prevention and detec clinic at Queens General Hospital, York, U.S.A. Sixty-six potentially cancerous tumours and three can were detected.

U.S. Scientific Information Mission Mr. John R. Steelman (assistant to President of the United States) announ in Washington on October 30 that a sion to direct the exchange between United States and Great Britain of sci tific information on organic chemistry, chemistry, physics, biology and agrono was being established at the U.S. Emba in London.

Cosmic Rays and Cancer.—At a search station at an altitude of 10,000 in Switzerland, Dr. Paul George (a physi attached to Birkbeck College, London) Dr. Eric Hanning (of the Chester Bea Research Institute for Cancer, London) studying the effect of cosmic rays on development of cancer in mice. 500 m are being divided into three groups for investigation. One group is to be expo to the full incidence of cosmic rays fou at that altitude by being kept in ordin cages, one group will be given lead prot tion, and the other protection by being k in a mountain tunnel.

TOPICAL REFLECTIONS

umery Trade Outlook

early twelve months ago I read your ract of and comment on the first ual report of the Toilet Preparations Perfumery Manufacturers' Federation reat Britain. That report was, as was d at the time, an encouraging docu- t. This year's report, abstracted on 536-37 of your November 1 issue, s that, while determination to achieve cord in exports is as strong as ever, culties have increased. The export t suggested by the Government, and pted by the Federation, represents a e about five times as great as the pre- average. The obstacles are formid- . A comparatively minor one is the tage of raw materials, containers and aging requisites. Assuming this to be come with the Departmental assistance nised, there remains, as you point out 543), a much more serious obstacle, decision of several Empire and foreign tries to ban imports of such goods sent the United Kingdom. This decision involve the cancellation of many con- s and the necessity of finding new mers for goods already manufactured; it is not easy to see how the British ernment can persuade overseas buyers ecially after the remarkable action of Colonial Office) to accept the goods tioned. There is a further considera- : goods prepared for one kind of mar- are likely to be unsuitable for another. Federation will, I have no doubt, press xcellent suggestion that if the full-scale s allowed for export are forbidden for e sales, the Government should insist the same packaging restrictions being sed on perfumery imports into this try.

minology

our tribute to Dr. Katherine Coward to the work done in the Pharmaceu- Society's pharmacological laboratories 544) is well merited. The early inves- tions of Sir Frederick Gowland Hop- made their due effect slowly in ntific circles. A monograph by Dr. H. Hampshire and Mr. G. E. G. vker, presented at the meeting of the ish Pharmaceutical Conference in 1919, n with the words: "Considerable ntion has of late years been paid to the p of substances known as 'accessory rs' or vitamines, which play a definite in nutrition." (The old spelling with an "e" will be noted.) The authors stated that three vitamins, known as A, B and C, had been recognised. Vitamin A was then "commonly referred to as the anti-rachitic factor." In February 1920 you summarised the contents of a report by the Medical Research Committee on the same three vitamins; and I remember seeing at the Royal Society's spring exhibition in that year a series of specimens prepared by Professor and Mrs. Mellanby to illustrate the effects of different diets on bone formation in young animals. Research soon began to extend in more than one country, with results that we all know something about. Standardisation of vitamins by biological tests is, of course, tedious and costly, and its supersession by chemical processes is a natural desideratum. We may concur, with a smile, in Dr. Coward's quotation from Sir Henry Dale: "The ultimate object of anyone concerned in biological standardisation is self-extermination." I have heard it said that one object of taking medicine is to be able to do without it.

Drugs as Stage "Props"

The inclusion of a jar of 4-per-cent. cocaine ointment in a theatrical property (p. 527) was, of course, unintentional, yet it has about it a suggestion of grotesque straining after actuality. The Poisons Board has presumably been interested to learn that the items found included "a number of scheduled poisons." Usually the pursuit of realism in the theatre is not carried so far. Watching a play a few evenings ago, I found myself wondering whether the shelves filled with "books" contained actual volumes. As the play drew to its close, I concluded that the shelves did not. Stage tradition is strong in precedents; a close student of drama could probably tell us, for instance, what Romeo's purse normally contains when he opens it to pay the apothecary for "the dram of poison." Occasionally there have been eccentric actors or producers who have gone to excess in striving for correctness of detail. In the eighteenth century a Mr. Jordon blacked himself all over before playing Othello; and a friend familiar with opera told me that in one scene of "Don Giovanni" in an American production about fifty years ago the members of the chorus were given real champagne. Producers of films have, I suspect, gone farther in this direction. ***Xrayser***

DEATHS

BACH.—On October 9, Mr. Charles Vincent Bach, M.P.S., 1 The Avenue, Coulsdon, Surrey, aged seventy.

BLECHYNDEN.—On October 18, Mr. Alfred Blechynden, M.P.S., 77 Claygate Lane, Hinchley Wood, Esher, Surrey. Mr. Blechynden qualified in 1902.

CRAWHALL. — On September 15, Mr. Joseph Maitland Crawhall, M.P.S., 32 Ivy Road, Gosforth, Northumberland. Mr. Crawhall qualified in 1923.

GEOGHEGAN.—In Edinburgh, suddenly, on October 31, Mr. John Michael Geoghegan, C.A., aged sixty-six. Mr. Geoghegan was chairman of T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh, 11, and other companies, and a partner in J. M. Geoghegan & Co., accountants, Edinburgh. He was a Fellow of the Royal Society of Edinburgh.

GLEESON.—On October 21, Mrs. Sheila Gleeson, wife of Mr. John Gleeson (treasurer, Pharmaceutical Society of Ireland). The death of Mrs. Sheila Gleeson followed shortly after the birth of a second child. At a Requiem Mass held at University Church, St. Stephen's Green, Dublin, on October 23, and at the funeral afterwards at Dean's Grange Cemetery, the Council of the Society was represented by Messrs. P. A. Brady (president), T. C. Scott (vice-president), P. C. Cahill, F. X. Meagher and J. K. Whelehan, Mrs. Whelehan, Messrs. J. A. O'Rourke, G. C. O'Neill, P. F. McGrath and C. J. Cremen, Mrs. Cremen, Messrs. H. P. Corrigan, T. B. O'Sullivan and James G. Coleman (registrar). The Irish Drug Association was represented by Messrs. Michael Costello (president), J. J. Roche (vice-president), and B. R. Smith (secretary). The large attendance included Mrs. T. Costello, Mr. and Mrs. Sylvester O'Farrell, Messrs. P. G. Redmond, David Murphy, A. F. Collins, M. J. Mulreany, J. Holland, W. H. Roche, T. Gleeson, George Rice, S. McAuley, A. D. Davidson, P. McAuliffe, P. Fahey, D. J. Murphy, J. J. Kerr, F. J. Roche, F. Barragry, P. J. Killacky, A. Burke, H. G. Smith and A. Walsh.

GRIMSHAW.—Recently, Mrs. J. Grimshaw, wife of Mr. James Nuttall Grimshaw, M.P.S. (manager of the Earby, Lancs, branch of Hartleys (Chemists), Ltd.), aged forty-seven.

GUNN.—On October 26, Mr. Alexander Gunn, M.P.S., 12 Sandlands Road, Walton-on-the-Hill, Tadworth, Surrey, aged eighty-four. A native of Duns, Berwicks, M Gunn qualified in 1886; he was for number of years a member of the editor staff of the "Pharmaceutical Journal," tiring in 1930.

HARRIS.—Suddenly, on November Mr. Bernard Greenwood Harris, M.P. Market Street, Millom, Cumberland, ag forty-eight. Mr. Harris was well known South Cumberland. He was trained London and had been connected with t trade for thirty years in the Barrow a Millom districts. He was an accomplish organist and an active member of t Methodist Church. He leaves a widow, t sons and three daughters.

MASSON-GULLAND.—Recently, in a tra accident, Professor John Masson-Gullar F.R.S. (Sir Jesse Boot chair of chemist University of Nottingham), aged for nine. Professor Masson-Gulland had p viously been reader in biochemist University of London, and senior assista in biochemistry, Lister Institute. Fr 1933-36 he was honorary secretary of t chemistry section of the British Associatic From 1939-43 he was Senior Gas Advis North Midland Region, and from 1943- assistant director, Chemical Research a Development, Ministry of Supply.

WAUGH.—On October 25, Mr. Ada Waugh, M.P.S., 94 Boutport Street, Bar staple, Devon, aged fifty-seven.

WILLS

MR. EDWARD ALFRED NAYLOR, M.P. Round Garth, Stainforth, nr. Doncast left £5,570, with net personalty £5,055.

MR. JOHN CUNLIFFE, J.P., Carr Ba Ramsbottom, Lancs, (principal of t Irwell Chemical Works, Ramsbottom), l £26,207, with net personalty £20,437.

MR. HUBERT FISHER MARGERRISON, The Street, Shoreham-by-Sea, Susse a retired pharmacist, formerly of 3 Centi Parade, Hadleigh, Essex, left £13,564, wi net personalty £13,307.

DR. ALEXANDER SCOTT, F.R.S., 117 Ha ilton Terrace, London, N.W.8, former director of scientific research at the Briti Museum and a former president of t Chemical Society, left £46,483, with n personalty £43,310.

MRS. AMELIA OLDROYD, 82 Park Roa Rochdale, Lancs, widow of the late Mr. Oldroyd, F.I.C., F.C.S., a member of Ma chester Exchange and a Liveryman of t Ancient and Worshipful Company of Dye of the City of London, left £11,588, wi net personalty £11,550.

COMPANY NEWS

AVID DICKSON (CLAYTON), LTD. (P.C.). apital £500. To acquire a business hemists carried on by David Dickson oysden), Ltd., at 716 Ashton New d, Clayton, Manchester. John H. t, M.P.S., and Walter Flint, directors.

ASIL E. ALLAN, LTD. (P.C.).—Capital 00. To carry on the business of phar- eutical chemists, dealers in perfumes, t requisites, etc. Violet D. Allan and est W. C. Battle, directors. R.O.: 45 t Street, Bognor Regis.

ORMA CHEMICALS, LTD. (P.C.).— ital £1,000. To carry on the business nufacturers, wholesalers and retailers fine chemicals and pharmaceutical cles, etc. G. L. Lefson, director. R.O.: 14 Cannon Street, London, E.C.4.

L. SMITH (CHEMISTS), LTD. (P.C.).— ital £1,000. To acquire the business of nists formerly carried on by Duncan at 206 Anchor Road, Sandford Hill, gton, Stoke-on-Trent. John L. Smith, .S., and Mrs. Joan M. Smith, direc-

AMES GARDNER (HOVE), LTD. (P.C.).— ital £3,000. To carry on the business anufacturers of and dealers in surgical , dressings, hosiery, electro-medical ratus, etc. Ada Gardner and Philip Gardner, directors. R.O.: 20 Church d, Hove, 3.

LEX. N. BERRY, LTD. (P.C.).—Capital 03. To acquire the business of a chem- and druggist carried on by Alex N. y, M.P.S., at 5 The Colonnade, Wools- Southampton. Alex N. Berry, M.P.S., George W. Whitaker, M.P.S., direc-

NITED KINGDOM CHEMICALS, LTD. .).—Capital £250,000. To carry on business of manufacturing chemists, ufacturers of chemical and allied pro- s and substances, etc. First directors to be appointed. Solicitors: Slaughter ay, 18 Austin Friars, London, E.C.2.

. E. ALLEN, LTD. (P.C.).—Capital 00. To acquire the business of a chem- nd pharmacist now carried on by the utrix of the will of the late William E. n at 15 Chapel Street, Petersfield, ts, and 5 Station Road, Liss, as . E. Allen." Ellen Allen, William M. s, M.P.S., and Douglas R. Allen, direc-

ISTILLERS CO. (BIOCHEMICALS), LTD. .).—Capital £100. To acquire and ate factories, works and plant for the ufacture of penicillin, streptomycin and r antibiotic compounds, malt, yeast, mins and any other pharmaceutical, icinal and chemical compounds or pre- ations, etc. First directors are to be pointed. R.O.: Fleming Road, Speke, Liverpool.

W. MARCHANT (GLOUCESTER), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, opticians, etc. Walter Marchant, M.P.S., Eileen M. Marchant and Cecil H. Wootton, M.P.S., directors. R.O.: 209 Barton Street, Gloucester.

FRANK SMITH & SON (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturing, analytical, dispensing and advising chemists, manufacturers of and dealers in drugs and toilet goods, etc. Frank Smith, M.P.S., Florence Smith and Donald G. Smith, directors. R.O.: 128 Dereham Road, Norwich.

BRITISH PETROLEUM CHEMICALS, LTD. (P.C.).—Capital £100. To manufacture, treat and turn to account chemicals, whether derivatives or compounds of petroleum, natural gas or shale oil, or of any other nature, etc. Robert Crichton, James A. Jameson, F. G. C. Morris, Neville A. Gass, Thomas F. A. Board, Leonard A. Elgood, Cecil G. G. Hayman and Eric Stein, directors. R.O.: 21 St. James's Square, S.W.1.

ASPRO, LTD.—Net profit for the year ended June 30, before income tax deduction, amounted to £593,557, against £424,695 in the previous year. A final dividend of 35 per cent. (less income tax) is recommended on the ordinary stock, making 50 per cent. for the year, compared with 35 per cent. in 1945-46.

BUSINESS CHANGES

THE telephone number of the laboratories of Parke, Davis & Co., Hounslow, Middlesex, has been changed to Hounslow 2361.

BELFAST CO-OPERATIVE SOCIETY, LTD., have set up a subsidiary company, Belfast Co-operative Chemists, Ltd., to conduct pharmaceutical businesses.

MR. WILLIAM HOWARTH, M.P.S., has acquired the pharmacy at 1 Wortley Road, Armley, Leeds, 12, formerly carried on by J. W. Cecil Keene, Ltd.

METROPOLITAN DRUG CO., LTD., Desborough Street, Cirencester Street, London, W.2, have acquired the business of Hoyle's Pure Vegetable Viscous Oil, 9 Windle Street, St. Helens, Lancs.

MR. E. T. TAYLOR has been appointed sales manager for the United Kingdom of Yardley & Co., Ltd., 33 Old Bond Street, London, W.1. Mr. Taylor was previously the company's export sales manager.

HOWARD-TAYLOR, LTD., manufacturing chemists, 94 Balham High Road, London, S.W.12, have made the following appointments: General manager, Mr. J. Hamilton-Smith; works chemist, Mr. J. H. F. Hurford, M.P.S.; home counties representative, Mr. C. R. Newboult.

COSMETICS CONSPIRACY: FIVE CONVICTION

A TRIAL which began at the Central Criminal Court, London, in September, terminated on October 29. Six men (one a Member of Parliament) were charged with conspiring to contravene orders for the control and limitation of manufacture and supply of toilet preparations, contrary to article 55 of the Defence (General) Regulations, 1939. The accused were David Weitzman, M.P., barrister-at-law, London, N.8; Adrian Weitzman, company director, W.1; Joseph West, accountant, Edgware; Ellis Philip White, company director, London, S.E.1, all brothers; Alfred Stafford Northcott, accountant, Blackboys, Sussex; and Thomas Westwater, accountant, Highgate, London, N.8. All pleaded not guilty. The case centred largely around the activities during the early years of the war of the Newington Supply Co., Ltd., Newington Causeway, London, S.E.1. Adrian Weitzman was a director; the secretary was West; Ellis White was the manager, and Northcott was the company's accountant. David Weitzman, it was stated by the prosecution, was never an officer of the company, but it would be for the jury to consider whether he was not, in fact, keenly interested in the business. The company, which was incorporated in April 1936, dealt in haberdashery, fancy and toilet goods, selling to shops and market traders. In 1938 the company was certainly not manufacturing lipsticks or cosmetics. If they were even supplying them it was only to a limited extent.

Pre-war Difficulties

By 1938 the company was in low water and David Weitzman came to its rescue by taking out two debentures for a total of £7,500. Despite that financial assistance, a compulsory liquidation order was issued. Joseph West was appointed receiver and manager at the instance of David Weitzman. About the end of September 1939 a trained business manager was called in to reorganise the business. He found no evidence of the manufacture of lipsticks or cosmetics, or any raw materials or machinery suitable for the purpose. The company, which the jury might think was a sinking ship at that time, had become miraculously transformed by the end of 1941 into a flourishing and prosperous business. What brought about the change was the manufacture and supply of cosmetics—chiefly lipsticks, but also talcum powder, rouge and other toilet preparations.

On June 18, 1940, the Newington Supp Co. made application to the Board of Tra for registration as manufacturers of c metics. The application was followed a certificate signed by Adrian Weitzm and certified by Northcott, the accounta that from June 1939 to November of th year the Newington Supply Co. manuf tured perfumery and toilet preparations the value of £6,564. When the standa period was extended to May 1940 a fu ther certificate was forwarded to the Boa of Trade showing that during the months November 1939 to May 1940 t Newington Supply Co. manufactured c metics amounting to £7,936. The doc ment was signed by West and certified the company's accountant, Westwater. T Board of Trade accepted the figures, a the company was allowed to manufactu a percentage of the peace-time total. T case for the prosecution was that these turns were quite false, and that the r position had been grossly overstated.

The true position was that there was manufacture at all, and thus the compa was not entitled to registration, or to a quota. Between December 1941 and Ju 1944 the company carried on manuf ture and supply, chiefly of lipsticks, on large scale. During that period raw ma rial known as lipstick mass amounting 5 tons 18 cwt., and valued at £17,500, w purchased. That was sufficient to man facture 190,000 doz. lipsticks. In additi the company purchased from outsi sources a further 5,000 doz. lipsticks at price of something like £2,050, making total of 195,000 doz. lipsticks, valued £19,500. Manufacture and assembly the lipsticks was carried on at vario addresses, including premises of other co panies in which the defendants we interested.

Questions About Raw Materials

In 1943 a Board of Trade accounta saw Messrs. Adrian Weitzman and Nort cott and asked them about their purchas of raw materials during the period Ju 1939 to May 1940. Adrian Weitzman ga the somewhat startling reply that no pu chases had gone through the books duri that time and went on to explain that th were using up material purchased in 19 or 1937. Examination of the compan books from 1936 to 1940, however, show no purchase of raw materials for the man facture of lipsticks.

uring the years 1942-45 Mr. David tzman had received regular payments 20 from one of the company's accounts. gether he had received £2,750. Mr. Davis, a business manager, who stated vent to the Newington Supply Co. in ember 1939 to try to increase the firm's and business, said that at that time as definitely on the downgrade. When eft about December 1939 the business still dormant. "I understood from d Weitzman that his interest was ly and simply to get his two brothers, te and Adrian Weitzman on their feet. interest seemed to be purely financial." thcott appeared to play a very minor In cross-examination, Davis said hite and Northcott wanted me to give gure which was not a true figure, and ain invoices I wanted were not forthing. When I threatened to go to David tzman they miraculously appeared the morning."

David Weitzman, in evidence, denied he had ever financed the Newington Supply Co. He said he had merely helped his brothers financially. He had advanced some of his brothers money on the advice of their bank manager, and in order to protect the bank had taken out a debenture on the company. He had never seen the debentures and had never received a penny interest on his money.

Sentences

On the final day of the hearing the four brothers were found guilty of conspiracy. Adrian Weitzman, whom Mr. Justice Denning said he regarded as the mainspring of this conspiracy, and Northcott were each sentenced to three years' penal servitude. Joseph West and David Weitzman were each sentenced to twelve months' imprisonment and fined £500. Ellis White received twelve months' imprisonment. Westwater was found not guilty and discharged.

LEGAL REPORTS

ulphonamide for Cat. — At Wood en, London, N.22, recently, David R. eman, Animal Welfare Service, Green es, was fined £5, with £2 2s. costs, for plying, otherwise than on a prescription, & B. 693 tablets, value 8s., to a woman wanted them for treating a sick cat.

ales in Excess of Authority.—At ds, on October 16, Ernest Brace, Selby d, Halton, a Leeds market trader, was d a total of £120, with £5 5s. costs, on charges of supplying, although an unstered person, perfumery exceeding the utory £41 13s. 4d. a month on dates 946 and 1947.

harmacy Act Fines.—At Long Sutton, s, recently, Mrs. W. H. Coley, trading W. H. Coley, Ltd., 26A Sutton Road, ton Bridge, was fined 10s. for selling cine in Veganin tablets whilst not an horised seller of poisons, and 10s. for having the container properly labelled; was also ordered to pay £3 3s. costs.

Town Council Fined.—At Aberdeen riff court, recently, Aberdeen Town ncil was fined £5 for an offence under Control and Protection of Animals Act. e Council was held responsible for poisng cattle with arsenical weed-killer ead on street verges. A plea of guilty tendered on behalf of the Corporation.

Factory Act Prosecution. — Stotherts, l., manufacturing chemists, Atherton, ncs, summoned at Leigh, Lancs, magistrates' court on October 22 with contravening section 47 (2) of the Factories Act, 1947, were fined £5. The contravention consisted of using an internal combustion engine otherwise than in accordance with the requirements.

Pharmacy Act Fine. — At Cwmbran magistrates' court, recently, F. B. Chalmer (Chemists), Ltd., 9 Windsor Road, Griffithstown, Pontypool, Mon, were fined a total of £20, with £5 costs, for selling preparations containing phenobarbitone in three instances without the supervision of a registered pharmacist, and for similarly selling morphine in dispensed medicines. An inspector of the Pharmaceutical Society, Mr. Cyril Morgan, said that the company had been warned by letter in December 1946, and personally in April 1947.

Unlawful Possession. — At Birkenhead, on October 17, Frank Henry Davies, a laboratory technician at Tranmere Infirmary, was fined £5 on each of two summonses of obtaining a dangerous drug in unlawful manner. A police inspector said Davies had a chronic duodenal ulcer and obtained a prescription from Dr. O'Sullivan for six ampoules of pethidine. Two days later, without disclosing this, he got another for a similar quantity from Dr. Byrne, Tranmere Infirmary. Some days later he obtained additional prescriptions. Davies asked for seven other cases to be taken into consideration.

TRADE NOTES

Large Size Introduced.—Eucryl, Ltd., Southampton, announce that they have introduced a large size of Eucryl dental-plate fixative.

Again Available.—Westminster Laboratories, Ltd., Chalcot Road, Regents Park, London, N.W.1, state that Brooklax chocolate laxative is again available in the home market in the eighteen-tablet size.

Concentrated Perfumes.—Mallagh & Co., 163 High Road, Woodford Green, Essex, have issued a 24-page price list of concentrated perfumes available from the company.

Insecticide Spray-bottle.—Charles Game, Ltd., engineers, 820 Argyle Street, Glasgow, are actual makers of a spray-bottle available to manufacturers of insecticidal spray solutions. The atomiser is of piston type, operating through the metal screw cap of the bottle, as illustrated.

Poppy Day Appeals. — Announcements in this issue by BURGOYNE, BURBIDGES & Co., LTD., London, E.6, and POTTER & CLARKE, LTD., London, E.1, include appeals to pharmacists to give generously on Remembrance Day (November 8).

Bonus During November.—C. E. Fulford, Ltd., Carlton Hill, Leeds, 2, are allowing on all orders for Bile Beans, Zam-Buk, Peps, etc., placed before the end of November, a bonus of 5 per cent. over and above the discounts at which chemists are at present receiving these specialities.

At the Nursing Exhibition.—From the list of exhibitors at the thirty-second annual London Nursing Exhibition (see *C. & D.*, November 1, p. 526), the name of Alexander Carus & Sons, Ltd., Hoddlesden Mills, Darwen, Lancs, was inadvertently omitted. The company was showing some of the processes used in making surgical dressings.

Free Testing Sample.—Pharmacists are invited to apply to Portland Plastics, Ltd., 6 Victoria Street, London, S.W.1, for a free sample of Portex medicated plastic "skin." The preparation is issued in tubes for easy application to cuts, abrasions, etc. The distributors for Scotland are Pharmaceutical Distributors (Glasgow), Ltd., 214 West Regent Street, Glasgow, C.2.

Display "Basket."—J. C. & J. Field Ltd., 123 The Broadway, Wimbledon, Lon don, S.W.19, are now issuing a display bas ket for the "tumble display" of Field lavender shampoo. When the limite quantities of shampoos that are availabl have been sold, the display basket may b used effectively for Field's lavender toil soap by simple reversal of the price ticke

New Soapless Shampoo.—An attra tively presented soapless shampoo entitle Pink Ribbon is being distributed by th Southern Manufacturing Co., Ltd., 21 West Regent Street, Glasgow, C.2, for th manufacturers, Herbert Crosby & Co Ltd. The product is being nationall advertised, and details of terms, etc., ma be obtained from the distributors. A ne small size has recently been introduced.

Foot Preparations.—Aero-Ped., Ltd., 3 Bessborough Place, London, S.W.1, hav issued attractive display stands for their products Aero-Ped P.M.N. ointment for foot infections and foot powder for athlete's foot. The show-stands, one of which is illustrated, are printed in a colour scheme of yellow and blue. Each carries an actual container of one or the other specialities of the compan

Display Prizewinners. — The Crook Laboratories, Ltd., Park Royal, Londo N.W.10, announce the following awards i a window display competition organised b the company in the Bournemouth area:— *First* (£40), Mr. Leslie S. Miller, 142 Hig Street, Poole; *Second* (£20), J. K. Matte son, Ltd., The Arcade, Bournemouth *Third* (£10), Mitchell & Shearman, 66 Christchurch Road, Bournemouth; *Conso lation* (£2 each), Mr. H. Ridehalgh, 71 Wimborne Road; and Mr. B. C. Hessia 203 Seabourne Road, Bournemouth.

Expansion Programme.—Mr. R. H MacIntyre (deputy managing directo Antoine Chiris, Ltd., London) announce that the company's sales manager (M D. N. Davies) is going by air, at the en of the year, to Australia and New Zealan in furtherance of the company's policy c

panding its export organisations. Mr. avies will visit the many Chiris clients in ustralia and New Zealand, together with e representatives of their agencies in ose two countries. During his absence, r. Frederick E. Shoninger (managing rector), who is at present in America, will turn to London for a protracted stay. he American Chiris company, of which r. Shoninger is also president, is taking w offices at 119 West 57th Street, New ork City, to permit expansion of labora- ry and manufacturing activities in the remises at 115 East 23rd Street. Mr. eon A. Chiris (chairman of all the Chiris nterprises), who is at present in New York, returning with Mr. Shoninger to London n the "Queen Elizabeth" on December 22.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*Cross & ax, Ltd.* The company has acquired the sole lling rights in Kodeno tablets, and will be given the manufacturers' section in place of the Eng- h Pharmaceutical Co., Ltd., the former proprie- rs. Prices and terms are as before.

Hough, Hoseason & Co., Ltd., Reboma chil- en's tonic, 12s. 8d. doz., tax 2s. 1d. doz., inclu- e retail price 1s. 9d. Three doz., 12s. 5d. doz.

Kephaldol Brand Tablets (Agents: *Sangers, td.*), 12s. doz., tax 2s. doz., i.r.p. 1s. 6d.; 29s. z., tax 4s. 10d. doz., i.r.p. 3s. 7d.

Lucozade, Ltd., Lucozade tonic food beverage, s. 3d. doz. (exempt from tax), 2s. 3d. net., 2s. 6d. cluding deposit of 3d. on each bottle (refunded hen bottle is returned complete with internal screw opper).

Moore Medicinal Products, Ltd. (Correction), eedon inhaler, composite model D, standard holesale price should read 232s. doz. and not as eviously quoted.

Parke, Davis & Co., Reduced prices to public nd professions, November 1, Haliverol capsules, 5's, 3s., 24s. doz.; 100's, 10s. 6d., 84s. doz. xempt from tax).

Silf Co., Ltd., Increased prices, November 1: lf obesity tablets, 12s. 9d. doz., tax 2s. 1½d. doz., r.p. 1s. 7d.; 29s. 3d. doz., tax 4s. 10½d. doz., r.p. 3s. 8d.; 48s. doz., tax 8s. doz., i.r.p. 6s.

A. L. Simpkin & Co., Ltd., Vita-glucose tablets artons of twenty-four 8½d. skillets), 8½d. per illet, 13s. per carton.

Vermex Chemical Co., Ltd., Quinamon tablets, 5s. 3d. doz., tax 2s. 6½d. doz., i.r.p. 2s. Display arcels, 14s. 3d. doz.

Ex-Lax chocolate laxative (and Jests antacid ints) bonus terms: 2½ per cent. cash discount on 4s. orders is conditional on settlement within seven avs.

Kay Bros., Ltd.: Correction, Kay's compound astilles, 12s. doz., tax 2s. doz., i.r.p. 1s. 9d.

W. J. Rendell, Ltd., Increased prices, November , Santron, 4-oz., 9s. 2d. doz., tax 1s. 6d. doz., r.p. 1s. 2½d.

White Laboratories, Ltd., Feen-a-Mint chewing-gum laxative, 4s. 6d., tax 9d. doz., inclusive retail price 7d.

Alterations to List (Part 2).—*Thos. Harley, Ltd.*, Manufacturers are not yet in a position to reintroduce 7½d. sizes of Rodine (red squill) rat poison and Rodine phosphorus beetle and cockroach poison, details of which were recently published.

Silvikrin Products, Prices in Eire: Silvifix, 2s. 6d., 22s. 6d. doz.

Additions to List (Part 2).—*Herts Pharmaceuticals, Ltd.*, Nivea skin oil, No. 267, 28s. doz., tax 28s. doz., i.r.p. 5s. 10d. No. 268, 16s. doz., tax 16s. doz., i.r.p. 3s. 4d. Nivea shaving-cream, 28o, 18s. doz., tax 6s. doz., i.r.p. 2s. 9d. Nivea sunning-oil, No. 341, 48s. doz., tax 48s. doz., i.r.p. 10s. No. 342, 27s. 6d. doz., tax 27s. 6d. doz., i.r.p. 5s. 9d.

Kolynos (Sales), Ltd., Kolynos denture-powder, 15s. 9d. doz., tax 5s. 3d. doz., i.r.p. 2s. 2d.

Boncilla Laboratories, Ltd. (Agents: *J. C. Gambles & Co., Ltd.*), Boncilla Clasmic pack (tubes), 14s. 6d. doz., tax 14s. 6d. doz., i.r.p. 3s. Lemon magnesia pack (tubes), 14s. 6d. doz., tax 14s. 6d. doz., i.r.p. 3s.

D.D.D. Co., Ltd., D.D.D. shaving-soap, cased, 14s. 6d. doz., tax 4s. 10d. doz., i.r.p. 2s.; uncased, 10s. 9d. doz., tax 3s. 8d. doz., i.r.p. 1s. 6d.

Opera Omnia, Ltd., Oatine toilet-soap, 3-oz., 8s. doz., tax 2s. 6d. doz., i.r.p. 1s. 2d. Purchase tax on bath soap has been adjusted to 4s. doz., making inclusive retail price 1s. 11d., instead of 2s.

Stemco, Ltd., Prices in Eire: Flit, 16-oz., 3s. 3d., 27s. 4d. doz.; 160-oz., 21s., 176s. 5d. doz. Flit hand sprayers, 3s., 26s. 2d. doz. (4-oz. and 8-oz. sizes of Flit withdrawn from Eire).

Whitaker & Co. (Kendal), Ltd., Luton straw hat dyes, 1s. 6d., 13s. 6d. doz.; 1s. 2d., 10s. 6d. doz. (exempt from tax). Less 5 per cent. cash, seven days.

Vinolia Co., Ltd., Vinolia baby soap, No. 4,883, 6s. 1d. doz., tax 2s. doz., i.r.p. 9½d.

FIFTY YEARS AGO

Accuracy in Pharmaceutical Expression

From the C. & D., November 6, 1897.

He [Mr. A. C. Abraham, F.I.C., speaking at Liverpool] pointed out that a distinguishing mark of civilisation was the record of discoveries so that they may be useful to others, especially to those who come after the first discoverer . . . . . It is specially true in science that one generation must depend on its predecessors, but he questioned whether, as far as medicine and pharmacy are concerned, the experience of one generation is not largely lost to the next owing to the changes of names by which medicinal substances are known, and, perhaps, more still, owing to the same name being applied to medicaments of a more or less different composition.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

SOAP ration questions began early in the new session, for MR. VERNON BARTLETT asked the Minister of Food on October 27 whether he was aware that people in Somerset and Devon had not been able to get their ration of soap for many weeks. Would he make inquiries designed to improve distribution? MR. JOHN STRACHEY replied that he had had no complaints of that sort from Somerset or Devon, and asked for details. He refused a plea by Mr. Bartlett for extra soap for fishermen.

Steel for Scientific Instruments

MR. SCOTT-ELLIOTT asked the Minister of Supply on October 27 whether, in view of its national importance, he would ensure that the scientific instrument industry obtained an allocation of steel adequate for its requirements. MR. G. R. STRAUSS (Minister of Supply) promised to do so, but said that, owing to the pressure of demand for certain types of steel, it was not possible to satisfy all needs of the industry.

Purchasing Power of the £1

THE CHANCELLOR OF THE EXCHEQUER (Mr. Hugh Dalton) told SIR WALDRON SMITHERS on October 28 that, taking the purchasing power of the £1 in 1900 as 100, its value since then had been: 1910, 95; 1920, 36; 1930, 58; 1940, 50; and 1947 (June), 45.

Exporters' Form-filling

SIR WILLIAM DARLING asked why seven forms, printed with several thousand words and weighing over 1 oz., had to be filled before goods could be exported to Eire, and whether the Chancellor of the Exchequer would consider, in consultation with Eire, measures to reduce that amount of paper.

MR. A. G. BOTTOMLEY (Secretary for Overseas Trade): I am arranging for an examination of the forms required for export to overseas destinations generally, in consultation with the principal trade organisations interested in export. (MR. HAROLD WILSON (President of the Board of Trade) has set up a small internal "working party" to do the job of rationalisation).

International Tariff Agreements

MR. HAROLD WILSON announced on October 29 that, as a result of the Geneva tariff talks, Britain had made agreements with fifteen other countries. Reductions or eliminations of British tariffs and reductions or eliminations of the preferences we enjoyed in other Commonwealth countries had been agreed to only in return for concessions considered equivalent in terms of the trade thereby opened up to this country. The Government had been particularly concerned to secure reductions in the tariffs of other countries, including the United States, to provide an immediate opportunity for increasing dollar exports from this country.

Export Targets Criticised

During the debate on the Address on October 29, MR. OLIVER LYTTELTON said he believed the export targets as announced to be quite unattainable. If Britain were to attain the volume of production, she would either not find the markets or, if she did, would find them at lower prices which would cancel some of the volume.

Deaf Aids

On October 30, MR. F. J. ERROLL asked the Minister of Health why, since 80 per cent. of deaf aids now made were one-piece aids, he had decided on a two-piece aid for free supply to the deaf under the National Health Service. MR. ANEURIN BEVAN replied that the decision had been taken owing to the disproportionate cost involved in using the miniature batteries required for one-piece aids. The general basis for spares and replacements for servicing the two-piece deaf aid had been an annual replacement rate of 25 per cent., with a higher rate for valves owing to their shorter life.

Shortage of Baby Foods

On November 3, SIR FRANK SANDERSON in a question to the Minister of Food asked whether he was aware of the grave shortage of babies' foods, which had been accentuated by the cutting down of their milk ration by one pint per week, and whether he would consider steps to make it impossible for unauthorised persons to obtain the foods.

DR. EDITH SUMMERSKILL (Parliamentary Secretary): We are doing all we can to maintain the supply of proprietary infant foods, and the Minister has recently made an Order that should ensure that these foods are bought only for children of under two years of age.

PERSONALITIES

Mr. T. H. Critchley retired on September 30 after twenty-seven years' service chief drug buyer to Evans Medical Supes, Ltd., and a total service of fifty-five rs with the company. On the same Mr. G. W. Marris, Ph.C., who has a ord of forty-three years' service with the npany, also retired.

Mr. C. Paine, who has been appointed earch director of the dyestuffs division, perial Chemical Industries, Ltd., has n delegate director since the company formed. In that capacity he was reasible for research in dyestuffs. In 3 he was appointed research manager, l in 1945 was appointed to the board of perial Chemical (Pharmaceuticals), Ltd.

Dr. Shields Warren (director of the ssachusetts, U.S.A., State Tumour gnosis Service) has been appointed rim director of a recently formed divn of biology and medicine of the United tes Atomic Energy Commission. Dr. arren, who is also assistant professor of hology, Harvard University, has specialin the field of radiation effects, and is author of a book, "The Effects of diation on Normal Tissues."

Successful candidates in the municipal ctions held in England and Wales on vember 1 include Messrs. E. J. Bowern, M.P.S., Torquay (vice-chairman of Torquay Branch of the Pharmaceutical ciety); B. Holden, J.P., M.P.S., Blackrn (who has previously been an aldern of the town); G. H. Hughes, M.P.S., lwyn Bay; and J. Edmund Owen, P.S., Chester (until his retirement a ritorial manager for Boots, Ltd.).

Mr. E. R. Guiler, B.Sc., only son of Mr. R. Guiler, M.P.S.N.I. (Northern Ireland presentative of The British Drug Houses, d.), North Road, Belfast, has left for Hort to take up a lectureship in zoology at smania University, to which he was rently appointed. Mr. Guiler, who was mmissioned in the Royal Inniskilling siliers during the 1939-45 war, was inlided home from North Africa, and in ne 1947 graduated B.Sc., Queen's Unirsity, Belfast, with first-class honours in ology.

Mr. John Lawson, Ph.C., 65 Trevor oad, West Bridgford, Nottingham (a rmer head of the proprietaries and surcal sundries departments of Boots Pure rug Co., Ltd.), was given a present of books on October 23 by the Musters Road Methodist Sunday School, West Bridgford, in appreciation of his twenty-three years of continuous service with the school, and a total of fifty-two years' service in Sunday School work. Mr. Lawson retired from the position of superintendent of the School in December 1946.

C. & D. DISPENSING PRICE LIST

The following price changes which took place during October should be noted.

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price		
d.	*per*		4 oz. *s. d.*	1 oz. *s. d.*	1 dr. *s. d.*
60	lb.	Acid. lacticum	2 3	0 8	0 2
35	lb.	Aluminii sulphas ..	1 4	0 5	0 1
102	lb.	Benzoinum pulv.	3 8	1 0	0 2
86	oz.	Carbromalum	—	—	2 0
63	oz.	Cinchophenum ℞ only	—	—	1 5
50	lb.	Elix. ephedrin. hyd., B.P.C.	2 1	0 7	0 1
21	lb.	Glycerinum 3s. 4d. lb.	1 0	0 3½	—
8	oz.	Hydrarg. cum creta	—	1 3	0 2
70	lb.	Inf. catechu conc.	2 6	0 7½	0 1½
98	lb.	Inf. rosæ acid. conc. ..	3 6	1 0	0 2
70	oz.	Menthol ..	—	10 3	1 8
42	lb.	Mucilago acaciæ	1 9	0 6	0 1
60	oz.	Oleoresin. capsici, B.P.C.	—	—	1 5
66	oz.	Ol. lavand. Gallic. ..	—	9 7	1 7
70	oz.	Ol. menth. pip.	—	—	1 8
42	oz.	Ol. pulegii exot.	—	6 4	0 11
10	oz.	Ol. sassafras fact.	—	1 6	0 3
115	dr.	Papaverini hydrochlor. S.1. (4)	per	grain	0 5
52	lb.	Paraldehydum	1 10	0 6	0 1
36	lb.	Plumbi acetas P.1. (8)	1 4	0 5	0 1
32	oz.	Serpentaria pulverat. ..	—	4 8	0 8
63	lb.	Sodii benzoas ..	2 4	0 8	0 1½
		Syr. glycerophosph. co., B.P.C. P.1. (9 and 13)	1 8	0 6	0 1

LEICESTER PRIZE-GIVING

At the distribution of prizes at the School of Pharmacy, Leicester College of Technology and Commerce, on October 21, Mr. C. C. Lenton (chairman, Leicester Branch, Pharmaceutical Society) presided. Mr. Colin Gunn (head of School) referred to recent changes in pharmaceutical educational requirements and described plans made to enable the school to cater for them. Dr. F. J. Dyer (lecturer in pharmacology, London University), who distributed the prizes, gave an account, illustrated with lantern slides, of the development of standardisation by biological methods, from the day of Ehrlich, who first made the suggestion that a standard substance should be used as a basis for comparison. The decision of the Pharmaceutical Society, in 1926, to set up a laboratory where such testing could be done was due, said Dr. Dyer, to the wisdom of the late Sir William Glyn-Jones. He concluded by exhorting all pharmacy students to aim at becoming as skilled in their profession as they coul The following prizes were presented:- *Leicester Branch prizes:* Akberali Jeth Derek Griffiths, Pamela Oxley (intermedia courses); Robert Richards and Mark Ri way (Ph.C. and B.Pharm. courses); *A. St. Dalmas & Co., Ltd., prizes:* Doug Bryce, Eric Adderson, Beryl Morgan, Ba Green; *The British Drug Houses, Lt prize:* Beryl Morgan; *E. H. Butler & Sc Ltd., prize:* Reginald Ratcliffe; *Pharm ceutical Society prize:* Douglas Bryc *School of Pharmacy Advisory Commiti prize:* Doris Stone; *Mr. George Hannar prize:* Eric Adderson; *United Chemis Association, Ltd., prize* (Young Memoria Douglas Bryce; *Genatosan, Ltd. prizes* (i window dressing): Douglas Bryce and Be Morgan (sharing first prize), Margaret E lingham and Joan Walker (sharing seco prize); *Mr. A. R. G. Chaming's pri* Douglas Bryce; *Mr. A. H. Preston's pri* Basil Green and Robert Richards.

EIRE STUDENTS' ANNUAL MEETING

The annual meeting of the Pharmaceutical Students' Representative Body, held in Dublin on October 28, was presided over by Mr. Nicholas Scroope (chairman, Students' Representative Council). Mr. Scroope said that during the year the Students' Council had held twelve monthly and two special meetings. On three occasions successful meetings with the officers of the Pharmaceutical Society of Ireland had taken place. The Council of the Society had granted a request for additional poison lectures, and three more voluntary lectures, for which a fee would be charged, were being arranged. Students could now be referred in pharmacy as well as in chemistry in the Licence examination. Through Mr. J. K. Whelehan, contact had been made with the Institute of Chemists-Opticians, and it was hoped that a course of lectures in optics, which associate students might complete in one year, would be arranged in Dublin. He hoped a course of lectures in ethics would be arranged. During the year Mr. Scroope had, with the officers, been received by the President of Eire at Arus an Uachtarain. He paid tribute to the help received from the officers of the Society and thanked those who had given lectures to the students.

Mr. P. A. Brady (president, Pharmaceutical Society of Ireland), congratulated Mr. Scroope on his address. He urged students to put high ethical standards before them when they came to practise th profession. Mr. T. C. Scott (vice-pre dent, Pharmaceutical Society of Irela said that the Students' Representat Council provided a regular means which students could make their vie known to the Council of the Socie Mr. James G. Coleman (registrar) claim that the establishment of the stud body had given students a common int est and higher professional standar Adoption of the chairman's report proposed by Mr. Eric Burrell and s onded by Mr. John O'Grady. T treasurer's report, submitted by M Fitzgibbon, showed a deficit of £1 Mr. G. O'Carroll advocated introduc into the syllabus biology and b chemistry, and dropping such subjects botany. Miss M. O'Sullivan (vi chairman) said it was in such subjects botany, materia medica and chemistry t students who obtained medals or hono made up their marks in the final exami tion. Mr. Liam Byrne (recording sec tary) said the S.R.C. was entering its fi year. A heavy increase in corresponde indicated the growing interest of stude in the organisation.

The following were elected to the Co cil for 1947-48: Messrs. N. Scroope, Allshire, G. O'Neill, E. Burrell, J. Roc M. Dillon, S. O'Grady, J. Cassidy, M Madden and Miss Peggy Fallon.

MAGIC IN MEDICINE

address entitled "The Survivals of gic in Modern Medicine" was given to Glasgow and South-western Scottish nch of the Pharmaceutical Society on ober 15 by Professor D. M. Dunlop, .S.E., M.D., M.R.C.P. (department therapeutics, Royal Infirmary, Edingh). In the course of his lecture, which a plea for a more rational approach to licine, Professor Dunlop said:—

vivals in Therapeutics

We see the survival of magic in medi- most clearly perhaps in the sphere of apeutics. The physician in 1910 who ended so impressively from his carriage pair in his top hat and frock coat to mine his patient, often with so much side skill, relied principally for treatnt on elegant mixtures, delicately comnded, meticulously bottled and exquiy labelled; but if 80 per cent of them been poured into the sea the fishes ld have been the only ones to suffer. n nowadays our therapeutic practice is vastly concerned with magical polyrmacy, instead of with nutrition, fresh rest and exercise, wise and sympathetic ice and with the prescription of single ent drugs in adequate dosages for definite specific purposes. The ready sale, ough the medical profession, of polyndular pills — little bits of suprarenal, is, ovary and pituitary, all mixed up ether (and not one of which is active n taken by the mouth), is a return to medicine of savages, who believe that ou eat the heart of a lion you will grow ng; indeed, there is more scientific is for the savage belief since there must much good first-class protein in the rt of a lion.

e Real Mackay

Even among the rising generation of ctors old magical tendencies die hard. hen I lecture to my students on the pracal details of food—I often hear a titter m my audience; they sit back with an dulgent smile. But when I say—which seldom do—'You can, if you like, in this ndition, prescribe a diaphoretic mixture Potassium citrate gr. xx. liquor, ammon. omat. ʒss, water to ℥ss.'—how the notebks open and how the pencils flash! This,' they seem to say, 'is the real ackay; now he's getting down to tin cks.'

No-one except a third-year medical or pharmaceutical student can be expected to carry in his head the dosage of the less common drugs, but it is considered very shocking for a doctor to look them up in the patient's presence before writing the prescription, and absurd subterfuges are resorted to so that the magician can have a moment alone with his pocket prescriber. All this arises from the desire to impress—it is a survival of magic in medicine. Until we of the medical profession can emancipate ourselves from mumbo-jumbo, until we cease to be pedlars of pills and potions like cheap-jacks outside a fair, we have no real claim to be members of a learned profession; we are not much better than the quacks and charlatans we criticise."

DOCTORS AND PHARMACY

LEEDS Branch, of the National Pharmaceutical Union, was addressed on October 23 by Mr. J. E. Outhwaite, M.B., Ch.B., barrister-at-law, who spoke on "The New Health Service and the Doctor-Chemist Relationship." Mr. L. Carr (chairman) presided. In the new service, said Dr. Outhwaite, the association of chemists and doctors would be strengthened by a closer recognition of each other's difficulties. He himself had never experienced any difficulties with chemists, but he thought some chemists might have had some difficulty with his writing. In answer to Mr. T. Heseltine, he thought that, although patients living more than two miles from a chemist could demand their medicines from a doctor, doctors were "rather fed up" with dispensing. They would welcome a three mile radius and he himself would prefer that dispensing should be dealt with entirely by pharmacists. The remedy seemed to be more chemists in rural areas, but there would have to be sufficient prescriptions to justify them. Mr. C. S. Challinor said many rural doctors seemed keen to keep their dispensing. In answer to further questions, Dr. Outhwaite said it would be difficult to alter surgery hours which were based on the convenience of the working patient. He did not approve sending patients to the chemist's back door after hours; in urgent cases he preferred to give the patient sufficient medicine to last until the next day, when the prescription could be made up. Many doctors felt that a more personal service was given by the private chemists than by the company shops.

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ociety of Ireland, The Pharmaceutical
ociety of Northern Ireland, The Chemists'
nd Druggists' Society of Ireland and of
ther Chemists' Societies in the Empire.
OL. CXLVIII NOVEMBER 8, 1947 No. 3533

Chemical Exports Increasing

URING September the total value of ritain's exports, including re-exports, of ll classes of merchandise, was £102.4 illions, an increase of approximately £5 illions on the August total. Imports durg August were valued at £174 millions nd the total landings in September fell ightly to £160.7 millions. The deficit on e country's trading account contracted om £76.8 millions in August to about 58.3 millions in September. For the ine months of this year the debit balance ands at £473 millions, an average of 52.5 millions a month. We have yet to e whether the present intensive drive to crease exports coupled with the austerity strictions on imports will, by the end of e year, bring about an even break in our ternational monthly trading account. uch an achievement, to be permanent, ust rest largely on substantially increased xports, for, as Sir Stafford Cripps said at recent Press conference, the further cut imports would be reflected in a still lower andard of living and the minimum had lready been reached; such a condition ould not be contemplated as a permaency. For the first nine months of the year e country had been existing on credit to the extent of about £10 per head of the opulation. It will require a national susained effort to produce more goods and roducts for home consumption and for xport in order to live within our income.

The value of exports of goods of the Chemicals" group during September totalled £2,243,137, compared with £981,673 in the corresponding month of 1946. For the nine months, January-September, goods of this group shipped to the world's markets were valued at £18.65 millions, against £12.6 millions in the first nine months of 1946. Very few groups of manufactured products show such a substantial increase as this. It must not be expected, however, that shipments of chemical products will continue to increase at this pace. In the first place, the demand, or rather the capacity of foreign buyers to purchase, may deteriorate; secondly, as the chairman of the manufacturers' association pointed out in his speech to members recently at their annual meeting (*C. & D.*, October 18, p. 470) ". . . . the higher export and agricultural targets which have been set for other industries imply a greater home demand for chemicals and, broadly speaking, that we in the chemical industry must first meet essential home demands and those of countries which are dependent upon Britain for chemicals in order to supply us in turn with food and other essential commodities before selling any surplus to other countries." This declaration of policy has been confirmed by the President of the Board of Trade (Mr. Harold Wilson) who, in a recent statement, said that "in general, the first duty of the chemical industry was to supply other industries which had been given export targets, and to supply essential home needs; any remaining production would be available for export."

Increasing Demands on the Industry

Despite the considerable additional demands that will undoubtedly be made on the industry during the next twelve months or so, we have no doubt that not only will the increasing home requirements be met but that there will be no lack of supplies for overseas buyers. The capacity of the British chemical industry has not yet been fully extended, and we see signs that this winter there will be no stoppage or curtailment of output due to lack of power and fuel. Further, there is sound evidence in many sections of the British chemical industry, and not the least in that producing pharmaceutical chemicals, of extension

schemes not only to increase the output of existing products by improved methods, but also to undertake the manufacture of new chemicals.

The Chemical Profession and Its Status

A REPORT, "Education in Chemistry," published recently by the British Association of Chemists, claims the attention of all who are interested in education for the chemical and allied professions. The drafting committee, which includes one pharmacist, has dealt with education of the "pure" chemist from school to his post-graduate days, and has attempted to outline a complete educational system which would produce not merely good scientists but good citizens. In many respects the report is in line with others that have preceded it (see, for example, *C. & D.*, September 6, p. 288), but the committee has underlined the need for balancing a student's educational diet and giving him time and amenities to assimilate it, so that he can emerge a well-integrated personality, capable, in particular, of expressing himself adequately in writing and in speech, and of filling the place in society which his specialised knowledge requires of him. The report therefore lays stress on a broadly based primary education, particularly in English, literature, and other modern subjects. As the amount of material that has to be assimilated in chemistry has increased so much during the past quarter of a century, the time taken for a "pass" degree is recommended to be increased from three years to four — a generous recommendation when compared with the Pharmaceutical Society's plan of a pharmaceutical degree in three years. Biology is regarded as a valuable ancillary subject.

University Status Sought

The report urges that the status of technical training and diplomas should be raised to the level of university education and degrees, whether or not certain technical colleges finally come within the compass of established universities. Evening courses should be modified to avoid the damage to health which sometimes occurs under the present system, and the young graduate should have the opportunity of studying industrial practice, types of plant used, its control and maintenance, as well as being given "an insight into staff relationships." Technical staffs should be encouraged to attend meetings of scientific societies, even those not directly concerned with their particular work, and to publish papers and give lectures. "A paper that makes a valuable contribution to science is an advertisement to employee and employer." Chemists from industry could play a useful part in primary education by giving specialist talks to local schools, it is suggested.

Some of the recommendations might well be incorporated in future educational plans of universities or other organisations.

American Botanicals and the Dollar Famine

FOLLOWING official announcements of cuts in imports from the United States as one way of meeting the challenge of shortages of hard currency, the status of a number of drugs originating in the United States has been called in question. It has been officially decided to grant no further import licences for hydrastis root or grindelia herb, and the extension of the ban to other botanicals is foreshadowed, although it is by no means certain the trade would agree that they are non-essential, (a) for home needs and (b) in the manufacture of goods for export. In fact, the matter is being taken up by the Botanical Drug Importers' section of the London Chamber of Commerce, which has addressed a questionnaire to members of the Proprietary Articles section of the Chamber in respect not only of grindelia and hydrastis but also of witch hazel, leptandra and cocillana. The questions asked are whether each drug or preparations made from it are required for treatment of the population of Britain; whether it forms part of exported products; and if so, to what extent. Manufacturers are being further asked what other American drugs may be of importance and how (in figures) the export position would be affected if they were refused admission. On the basis of the replies the Chamber will carry out further negotiations with the Government Departments concerned.

SCOTTISH EXAMINATION RESULTS

'HE following satisfied the xaminers in the Chemist and)ruggist Qualifying examina- on of the Pharmaceutical ociety, held in Scotland in)ctober: —

Adamson, W., Cupar, Fife
Ashurst, F., Barnsley
Bateyy, Jean, Kirkby Stephen
Bean, Jean M., Leeds
Bewick, Stella, Prudhoe-on-Tyne
Birch, W. D., Stockport
Carrie, J., Arbroath
Cresswell, E., Ilkeston
Crosby, T. N., Broughton Ferry
Dowell, H. P., Birmingham
Duxbury, Brenda M., Blackburn
Fearnley, Stella, Leeds
Goodall, Joan, Wolverhampton
Hadden, L. G., Liverpool
Hampshire, W. E., Wakefield
Hargreaves, Dorothy, Rugeley, Staffs
Harper, Dorothy, Nelson, Lancs
Hepworth, Vera, Cleckheaton
Hope, J., Leicester
Howden, Hilda, Coldstream
Ireland, J. R., Huddersfield
Jones, C. H., Chilwell
Jones, Eirian, Lampeter
Jones, E. T., Liverpool
Jones, W. D., Whitby
Kushner, I., Liverpool
Lawson, J. A., Leeds
Linton, Jean, Edinburgh
Longstaff, J., Durham
Lyons, D., Leeds
McConchie, Mary C., Dollar
McMaster, J. L., Glasgow
Mascall, R. H., Leeds
Maskew, J. B., St. Helens
Mennie, J., Aberdeen
Morgan, A. D. C., Liverpool
Murray, J. F. B., Wallsend
Orr, I., Lanark
Paterson, D. B., Bannockburn
Peel, Frona, Halifax
Rapaport, H., Leeds
Roberts, H. B., Huyton, Lancs
Ross, G., Bucksburn
Runciman, Margaret S., Inchture, Perths
Sanderson, Alec, Rochdale
Smith, W. C., Findochty
Spencer, Marie L., St. Helens
Stephen, A., Aberdeen
Thom, Georgene E., Coatbridge
Walmsley, R., Doncaster
Whitfield, J. T., Warrington
Wilcox, A. P., Birkenhead
Williams, M. G., Liverpool
Williamson, J. E., Preston
Wright, Joan E., Warrington

SPEECH DAY AT MANCHESTER

SPEECH day at the pharmacy department of Manchester University was held on October 22. Mr. H. Steinman (president, Manchester Pharmaceutical Association), in the chair. PROFESSOR H. BRINDLE said that two full-time refresher courses, each of one month, had been held for Service or ex-Service pharmacists. Of the regular students, sixty-four were attending the Pharmaceutical Chemist and B. Pharm. degree courses and thirty-four were studying for the Chemist and Druggist Qualifying examination. Almost all science students at the university took the intermediate course, in which the pharmacy department was allotted only twenty-five places. The number of degree students that the department could accept was therefore limited. It was probable that in a few years the qualification for general pharmacy would be a university degree and fewer students would take the diplomas of the Pharmaceutical Society. It was necessary for the student who wished to excel to consider training beyond the ordinary degree standard. Several students with pharmacy degrees were continuing for another year to take an honours degree in physiology; others proposed to take a diploma in bacteriology or chemical engineering. For some students who experienced difficulty in completing the degree course in three years, a less intensive four-year course had produced a better knowledge of the subjects and given excellent examination results.

The Woolley research scholarship had been awarded to Miss W. G. Keepe, who had also been awarded the Wellcome fellowship for 1947-48. The Allen & Hanburys and the Kerfoot research scholarships had not been awarded, chiefly because of the call-up of students to the Forces.

Negotiations had been proceeding with Allen & Hanburys, Ltd., to institute a fellowship of £250 per annum for a student who had already carried out research to about M.Sc. standard and who wished to continue.

Prize Winners

The prizes were distributed by Mr. H. Steinman (a member of Council of the Pharmaceutical Society and of the Executive of the National Pharmaceutical Union) to the following: *Woolley prize,* Philip Fletcher; *Hough, Hoseason & Co., Ltd., prize,* Louis Morris; *Allen & Hanburys, Ltd., prize,* shared by Miss M. J. Nixon and Miss S. M. L. Lund; *Association President's prize,* Alan Marshall; *T. Kerfoot & Co., Ltd., prize,* Abram Cohen; *Manchester Pharmaceutical Association prize,* Alan Hadfield; *Pharmaceutical Society (Codex) prize,* R. Baker; *Branch Chairman's prize,* Maurice Rose; *Manchester Branch prize,* H. N. Bray (Salford Royal Technical College); *E. Griffiths Hughes, Ltd., prize,* Neville Cohen.

Mr. Steinman, after congratulating the prizewinners, said educational changes should be made methodically with no sudden jumps forward. There was general agreement on the proposals for the pharmaceutical chemist course, but the present "cram" should not be replaced by a new one.

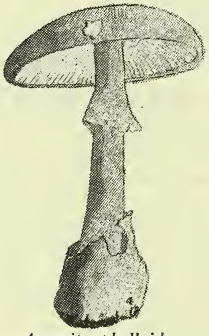
IDENTIFICATION OF POISONOUS FUNGI

By J. M. B. King, M.P.S. (Recorder of Fungi to the London Natural History Society)

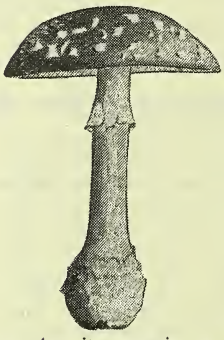
IT is difficult to understand the deep-rooted prejudice in this country against the humble toadstool. From infancy one is warned of the terrible consequences of eating anything but a genuine mushroom, and yet with a little care and discrimination thousands of specimens now left to rot each year in fields and woods could be turned into tasty morsels of food. Whatever the cause of the prejudice, it does not operate on the Continent of Europe, where fungus is eaten not only in large quantities but in dozens of varieties.

Few Lethal

Of the many hundreds of species of toadstools growing in this country, only a dozen or so are poisonous, and of these only one or two are guaranteed to kill. A far greater number of flowering plants contain poisonous substances in their foliage and fruits, yet never are they regarded with such awe as toadstools. The explanation may be that common flowering plants and shrubs are more or less easily recognised, and each is labelled with a popular name. Fungi, on the other hand, are difficult to identify, and few have a popular name. However, as members of the public regard all toadstools with suspicion, the practising pharmacist may at any time, but particularly in the autumn, find himself called upon to allay the alarm of some frantic parent or, if toxic symptoms are present, to suggest instantly the proper course to pursue. To do this he must arm himself with sufficient mycological knowledge for the purpose. With his botanical training, supplemented by careful attention to a few details, this should be easy.



Amanita phalloides, **the Death Cap, showing loose cup-shaped type of volva**



Amanita muscaria, **the Fly Agaric, showing adherent type of volva**

There is no golden rule for identifying poisonous fungi. Everyone at some time or other has been told that, if a specimen peels, it is wholesome, if it blackens silver when cooking it is noxious, if it is eaten by animals it is harmless. Such tests are worthless. In fact, the most deadly fungus known, the Death Cap (*Amanita phalloides*), conforms perfectly to all three. It peels easily, does not blacken silver, and is constantly eaten by slugs. There is only one safe rule; to know and recognise with certainty the poisonous varieties.

Fungi are non-vascular cryptogams devoid of chlorophyll and placed in the plant kingdom as the best place to put them, for, lacking the chief characteristic of plants—the ability to manufacture their own food—and not being degenerate like the broomrapes, they are somewhere between plant and animal. They are an enormous company, but here only the agarics or gill-bearing toadstools (the class containing the most poisonous species) can be touched on. Classification in the first place is into groups, according to the colour of the spores. The colours are five in number: White, brown, pink, purple and black. The groups are divided into genera, according to the presence or absence of a ring or volva or both, type of stem, method of attachment of gills and so on. Point number one, then, is the determination of the spore colour. This is usually, but not always, the same as that of the gills. The true colour may easily be ascertained by cutting off the cap, placing it face downwards on a piece of glass, and leaving overnight. The gills in young specimens are often white, changing in colour at maturity. They may thus be the cause of mis-identification. Spore colour is of tremendous importance, for it is one of the main distinguishing features between the death cap and the common mushroom.

Villain of the Fungus World

The death cap, or *Amanita phalloides* accounts, according to Ramsbottom, for 90 per cent. of all fungal poisoning fatalities. It differs in every respect from the common mushroom. The spores and gills are pure

ite, never changing. The mushroom has rple spores and pink or purple-brown s according to age. The death cap has ring and volva or sheath at the base of stem, while the mushroom has a ring t never a volva. The cap is of a dingy lowish or olive green colour, with black rils radiating from the centre, occasion- y with white patches adhering to it; the ushroom is white or brown. with never hint of green. Finally, the death cap is woodland species, whilst the common ushroom (*Psalliota campestris*) is a true sture lover. With such clear differences w can confusion occur? There is just transient similarity that might mislead. hen young, the gills of a mushroom are itish, particularly in the horse mushroom *alliota arvensis*), but the colour rapidly anges as the plant grows. This fact ght lead one to believe that a young *nanita* was a young mushroom. Two er species in the genus, *Amanita verna* d *Amanita virosa,* are equally poisonous; th have exactly the same features except t they are entirely white. The second portant character to look for then is the va, which may easily be overlooked if specimen is pulled up carelessly. When ung, the specimens in this genus are com- tely enveloped in a thin membrane. As owth proceeds, the toadstool bursts ough the membrane, leaving part as a at the base of the stem and sometimes rying pieces up on the top of the cap. e ring is formed from the veil that pro- ted the immature gills breaking away m the edge of the cap as it enlarges and naining attached to the stem.

mptoms of Death-cap Poisoning

The symptoms of *Amanita* poisoning do t develop for twelve or more hours after ting, when severe abdominal pains ensue, th violent vomiting and purging accom- nied by intense thirst; a period of relief ervenes, followed by a resumption of nptoms with increased severity, death curring within three or four days. When *nanita* poisoning is suspected, immediate edical aid should be sought, though there no known specific remedy. Stomach ush-outs might be effective if given soon ter ingestion and before the symptoms veloped.

Amanita mappa, once supposed to be isonous, is now said to be harmless. It osely resembles *A. phalloides,* except that e cap is yellowish or pallid, not green, d has no black fibrils but usually more white patches. It is difficult for a novice to distinguish, and for practical purposes it should always be considered a possible *phalloides.* Two other members of the genus remain to be recognised and avoided, *Amanita pantherina* and *Amanita muscaria.* In these the volva is of a different type. It does not form a loose cup, but is adherent and persists as a series of rings at the base of the stem. *A. pantherina* has a brownish-grey cap covered with white warts, whilst the bright scarlet cap of *A. muscaria,* scattered with white warts or patches, must surely be known to everyone who has rambled in birch woods. Strangely enough the group actually contains some fine esculents, but unless a study is made of them it is safer to regard all members of the group as poisonous. The salient points are clear and easily remembered — persistent white gills and the presence of a ring *and* volva.

Other Poisonous Fungi

The remaining varieties of poisonous fungi in no way approach in virulence the *Amanitas;* nevertheless that they can cause death must be assumed from the odd 10 per cent. not accounted for by the death cap family. Chief of them are *Entoloma lividum,* with tan cap and pink spores and gills; *Hebeloma crustuliniforme,* with brownish cap, brown spores and gills, and tasting strongly of radish; *Inocybe Patouillardi,* with white cap passing through yellow to red and streaked with fine silky fibrils (characteristically staining red on being damaged), brown spores and gills. There are others of a suspicious character but it would merely be confusing to attempt to describe them here; most of them would probably only produce varying degrees of illness if eaten in small quantities.

Finally, for the mushroom lover, a word of warning. Of the twenty or so species growing in this country, of which only the field and horse varieties are usually recognised, there is one known as the yellow staining mushroom (*Psalliota xanthoderma*) which can cause considerable discomfort and indigestion. The majority of people can eat it with impunity, but there is a percentage for whom, by reason of a personal idiosyncrasy, it is objectionable. In appearance, *P. xanthoderma* is very like a common mushroom. with a rather longer stem and a white and silky cap, but all parts develop a bright yellow stain immediately on being scratched. The horse mushroom also tends to have yellow stains, but they are not intense and develop

only very slowly. Two members of another group, the *Boleti* or tube-bearing fungi, were at one time considered poisonous. Named respectively *Boletus satanas* and *Boletus luridus*, both are recognised by the blue colour the flesh assumes instantly when cut. They are now considered more or less harmless. Puff balls of all kinds are perfectly inocuous; indeed, if cooked when young and white through-

out, they make tasty additions to the table

Harmless as most fungi are, the existenc of the *Amanita* group makes extreme car necessary. Once recognition of this grou is mastered, the "freedom of the fungi" assured.

References: Ramsbottom, J., "Large British Fungi" and "Poisonous Fungi. Cooke, M. C., "Edible and Poisonou Mushrooms."

POISONOUS PLANTS IN BRITAIN

By W. R. Philipson, B.A., Ph.D., F.L.S.

No, no, go not to Lethe, neither twist
Wolf's-bane, tight-rooted, for its poisonous wine,
Nor suffer thy pale forehead to be kiss'd
By Nightshade, ruby grape of Proserpine.

RECENT fatalities from eating poisonous berries or roots may suggest to pharmacists that their knowledge of the subject should be refreshed or supplemented, so that they can play a full part in educating the public and so reducing the dangers resulting from ignorance.

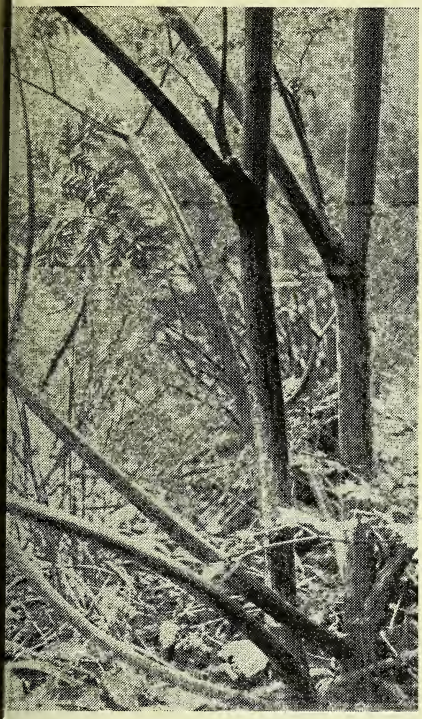
The peculiar metabolism of plants lies behind all the differences between the animal and vegetable kingdoms. Animals require ready-made nutriment which they must seek, devour, and digest. For these purposes they are endowed with the power of locomotion, senses to direct their efforts, and an alimentary system. Plants have none of these things because they can build up their own food substances from the inorganic material of the air and the soluble salts of the soil. Besides carbohydrates, plants synthesise the proteins and fats they require and are directly or indirectly the basis of all animal nutrition. In the course of these metabolic processes plants produce a vast range of chemical substances, to many of which botanists are unable to assign any function in the life of the plant. From the point of view of the plant's chemistry they must be regarded as waste by-products, for it must be remembered that plants are not provided with excretory systems like animals. Examples of these by-products are pigments, tannins, essential oils, waxes, latices, alkaloids and glycosides.

Plants Fatal to Man

The last two of these classes of plant products contain substances which have profound effects on the physiology of animals. From time immemorial men have used the principles of plants for curing their ills, and

COWBANE *(Cicuta virosa)* **N.O. Umbelliferæ**

they still form the foundation of the scienc of medicine. Taken in controlled dos many plant chemicals are beneficial, but eaten in ignorance in the natural stat several plants which are common membe of our vegetation have proved fatal. Som poisonous wild plants are not a source c real danger because man is not by nature herbivorous animal. Unless it produc tempting fruit or nutritious-looking roots plant is unlikely to be eaten, especially i these modern times when town-bred peopl are rightly cautious as to what they ea when in the country. For this reason man common poisonous plants such as the fox glove are rarely the cause of accidents. I has to be borne in mind, however, tha leaves should not be used as green vege tables unless known to be safe. The leave of a common woodland plant, the dog' mercury, have frequently been used for thi purpose and have proved fatal. As cattl and other farm animals browse mainly o leaves, while human beings are more likel



Above: HENBANE *(Hyoscyamus niger)* N.O. Solanaceæ. At left: HEMLOCK *(Conium maculatum)* N.O. Umbelliferæ.

taste fruits or roots, it will be under-ood that the plants of interest to the rmer and veterinary surgeon are not ways the same as those most often fatal man. The following brief account deals ly with the plants that have most fre-uently proved fatal to man. The fact at a particular plant is not mentioned es not imply that it is not poisonous.

eceptive Umbellifers

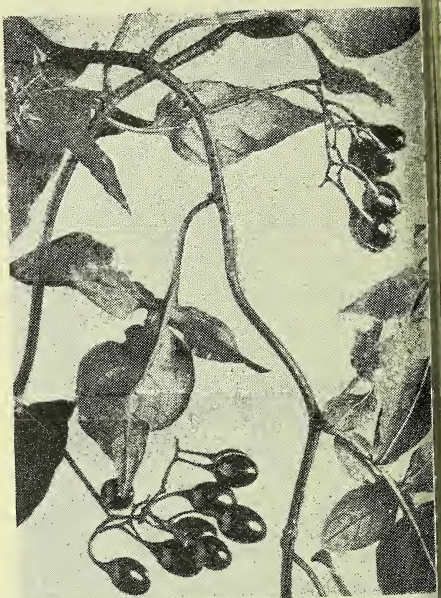
It is an unfortunate fact that the family plants which contains some of the most isonous plants in Britain, the umbelliferæ, so contains some of the most useful vege-bles, e.g., the carrot and parsnip, celery d parsley. The resemblance between the isonous plants and the vegetables leads to eir being eaten either in mistake for vege-bles or in the belief that they will provide holesome substitutes for the garden plants. ool's parsley is so called because its leaves ave been eaten as parsley with fatal effect. he stems of several umbellifers have been aten as celery, and their thick tapering ots as parsnips. The most dangerous are emlock (with stout blotched stems), water dropwort (with clusters of tuberous roots), and the very similar cowbane. All have the much-divided leaf and rayed cluster of small flowers characteristic of the family of the umbellifers.

Nutritious and poisonous species are likewise found among the solanaceæ. Even the common potato is not harmless, for its green parts are deleterious, and green or sprouted tubers have even caused death. Wild solanates are particularly dangerous because they bear luscious-looking fruits which contain very poisonous principles. The commonest member of the family, the woody nightshade, or bittersweet, trails among the hedgerow plants and bears bright red, egg-shaped berries. The similar black nightshade bears smaller, round black berries. The deadly nightshade and henbane are even more poisonous, but fortunately are by no means common. The berries of the former resemble deep purple cherries, rather flattened, and have frequently tempted children to their death. The henbane does not bear berries but its poisonous seeds have been eaten with fatal results.

Two other common poisonous plants resemble woody nightshade in climbing

COMMON POISONOUS BERRIES

Fruits of DEADLY NIGHTSHADE *(Atropa belladonna)* N.O. Solanaceæ.



Fruits of WOODY NIGHTSHADE *(Solanum dulcamara)* N.O. Solanaceæ.

Fruits of BLACK NIGHTSHADE *(Solanum nigrum)* N.O. Solanaceæ.

Fruits of BLACK BRYONY *(Tamus communis)* N.O. Dioscoraceæ

nong hedges and in bearing attractive red rries. They are the white bryony and e black bryony. Though quite unrelated otanically, the plants are similar in habit d share the doubtful distinction of being nong the most dangerous of native plants Britain. Not only are their berries fatally isonous, but the thick fleshy roots of the hite bryony have been cooked as parsnips, inging death to all who sat down to table.

Other poisonous berries which are attracve in appearance and have been eaten ith fatal results are the spurge laurel and e related mezereon, a shrub often grown gardens for its attractive pink blossoms hich come so early in spring. The privet, o, flowers if left unclipped, and bears usters of poisonous berries resembling iniature purple grapes. The yew is oisonous in most of its parts, though uriously the attractive pink flesh of its erries is quite harmless, and many people at them with enjoyment. They are not be recommended, however, because the eds within the flesh are very poisonous nd may easily be swallowed inadvertently.

A common hedgerow plant that attracts ttention in spring because of its curious nflorescence is the cuckoo pint, or lordsnd-ladies. In autumn the flowers and aves have withered and all that remains a short spike of bright red berries. Growng so low, and being so fresh and colourful, hey prove especially tempting to children.

It is apparent that the countryside and arden hold real dangers for children. rotection can be given most effectively by autioning them against eating *all* plant naterial, and emphasising above all the anger of berries. No one wishes to deny hildren the joy of tasting wild fruits, and s knowledge grows a child may be pernitted to eat specific fruits which he recognises unmistakably. Few children can fail o identify the blackberry, but it should be nsisted that a child should be taught what s safe and left to assume all else to be angerous. If an attempt is made to teach what is unsafe, a possible assumption that all else is harmless may lead to disaster.

No Golden Rule

There is no golden rule by which the noxious can be recognised, and every effort should be made to counter such dangerous advice as that sometimes seen given in print that one should be guided by the birds and wild animals in the choice of wild foods. What they eat, it is said, is safe for us. Nothing could be more dangerous. Birds will strip a buckthorn bush of berries that would make a child distressingly ill or which might easily prove fatal. The poisonous principle of deadly nightshade is most concentrated in the root, which rabbits have been known to eat with little effect. The more tempting a hedgerow berry appears, the less inclined should one be to sample it.

NEW BOOKS

Poisons, Their Chemical Identification and Emergency Treatments.—Vincent J. Brookes and Hubert N. Alyea. 8½ in. x 5½ in. Pp. 209. 16s. 6d. Macmillan & Co., Ltd., St. Martin's Street, London, W.C.2. Mr. Brookes is a sergeant in the New Jersey State Police and Mr. Alyea an associate professor of chemistry at Princeton University, and their book was originally written for police use in the United States. The first chapter describes what to look for when investigating a case of poisoning, and the next three chapters deal with some 150 common poisons, describing their preparation and uses, chemical identification, the symptoms they produce, and the emergency treatments recommended. One chapter is devoted to industrial poisons, another to food, plant, snake and spider poisons, and there is a section on artificial respiration, the use of the gas mask, and treatment for shock. An 18-page section tabulates, in alphabetical order, more than 100 common poisons with symptoms and emergency treatment required.

Edible and Poisonous Fungi.—Ministry of Agriculture and Fisheries, Bulletin No. 23. 8½ x 5½ in. Pp. 63. 5s. H.M. Stationery Office, Kingsway, London, W.C.2. The sixth edition of this handbook, revised and rewritten by Miss E. M. Wakefield (mycologist at the Royal Botanic Gardens, Kew) has been reprinted with a number of improved coloured plates prepared from paintings by Miss Wakefield. The emphasis in this popular and reliable guide to the common edible and poisonous gill-fungi is on edible species. In Britain, only one edible fungus, the mushroom (usually cultivated) is accepted by the majority of people, and all others are avoided as "toadstools" and supposedly poisonous. That did not always obtain. Earlier generations were as knowledgeable on the identification of esculent fungi as most Continental peoples are today. The Ministry's publication seeks to re-educate the public, adding hints on preparation for the table. Poisonous species that might be mistaken for esculents are described in great detail, and for this reason alone the book should find a place on the pharmacist's bookshelf.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, Nov. 5

THE past week has shown no major changes in PHARMACEUTICAL and FINE CHEMICALS and there is little indication of weakening in the markets with most products very firm. The President of the Board of Trade has announced that he is to set up a small working party to investigate the problems which face the British exporter at home and abroad with a view to simplifying commercial procedure. Any effort which will reduce the number of forms or simplify the information which exporters must fill in or supply will be welcome, in particular by the small trader who has little clerical assistance.

Crude Drugs

The London market for CRUDE DRUGS has been rather more active during the last few days with an increase in export business. Further reports from Hongkong state that small quantities of AGAR have now been shipped; the reason for the delay is said to be difficulty in obtaining the material from Korea. It is understood that Cape ALOES is in good supply and the demand for this product on a fair scale. BALSAM OF TOLU also is more plentiful. Very little demand is reported for CAMPHOR; cables from China give shipment prices several shillings above spot quotations in London. CASCARA SAGRADA is steady on the spot; American shippers are offering new-crop at 33 cents per lb., f.o.b. COLOCYNTH is very dull and spot has been marked down by twopence per lb. IPECACUANHA continues a firm market with supplies limited as existing import licences are few. MENTHOL has been in good inquiry at previously quoted rates. Large quantities of Chinese RHUBARB have been sold to Continental buyers. It is reported that SENEGA is likely to be considered as an unessential import in order to save Canadian dollars; this item is at present imported under open general licence. Tinnevelli SENNA is tending easier with new-crop now coming forward. SEEDS are a dull market. WAXES show little change with the exception of CARNAUBA which is easier on spot and shipment. OURICURI is tending easier. Spot supplies of BEESWAX have not improved.

Essential Oils

Inquiries for ESSENTIAL OILS have been rather more numerous recently and a fair business has been done in medicinal items. Prices generally are without material change. The demand for SYNTHETICS and ISOLATES continues to increase in volume and supplies have improved considerably. Prices are fully maintained for most items.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	November 5
*Alexandria ...	Piastres to £	$97\frac{1}{4}$–$97\frac{3}{4}$
Amsterdam ...	Florins to £	10.68–10.70
*Bombay	Pence to rupees	1-$5\frac{15}{16}$–1-$6\frac{1}{16}$
Brussels	Francs to £	$176\frac{1}{2}$–$176\frac{3}{4}$
Copenhagen ...	Kroner to £	19.32–19.36
Dutch East Indies	Florins to £	10.68–10.70
Dutch West Indies	Florins to £	7.59–7.61
*Hong Kong ...	Pence to $	1-$2\frac{15}{16}$–1-$3\frac{1}{16}$
Lisbon	Escudos to £	99.80–100.20
Montreal	Dollars to £	$4.02\frac{3}{4}$–$4.03\frac{1}{4}$
New York ...	Dollars to £	$4.02\frac{3}{4}$–$4.03\frac{1}{4}$
Oslo	Kroner to £	19.98–20.02
Paris	Francs to £	479.7–480.3
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to $	2-$4\frac{1}{32}$–2-$4\frac{3}{16}$
Stockholm ...	Kronor to £	14.47–14.50
Zurich	Francs to £	17.34–17.36

* Free market rates.

U.S. Drug and Chemical Report

New York, October 31

THE twenty-first U.S. exhibition of chemical industries is to be held in New York from December 1 to December 6; there will be about 350 exhibitors. Meanwhile, shortages of various kinds are reported in all markets, including ALKALIS; producers of POTASH have been unable to move materials from the mines because of the lack of freight cars and, despite numerous inquiries, little CAUSTIC SODA is being sold for export because of the tight supply position. Output of BENZENE HEXACHLORIDE is now greater than demand and prices are showing a downward trend. In the insecticide group, ARSENATES and NICOTINE PRODUCTS will be extremely short next year. No fourth-quarter export licences for GLYCERIN are likely to be granted before the middle of November; there has been an exceptionally strong demand for this material over the past few weeks. One large manufacturer of PENICILLIN has announced a price increase of nine cents for his produce; this is the first advance in the cost of the dry form of the drug since the war, and some trade circles regard it as a definite indication of a complete reversal in the downward trend of the market. This producer's new price for penicillin crystallin sodium, 100,000 units in a single 20 c.c. ampoule is now 39 cents; the price for 200,000 units is now 63 cents and for 500,000 units, $1.35.

Of a total of 393 cases of MENTHOL reported allocated for export by the Boeki Cho in Japan, the U.S. is to receive 150 cases and India 243 cases. It is understood that a further 382 cases will be allo-

ed later. For the first time since the r, some offerings of cube CATECHU have n received from Singapore; the prices, wever, ranging from 30 to 32 cents per , are reported to be very much above as here. Despite warnings of a probable rease in drug prices later in the winter ison, buyers are continuing to restrict rchases to immediate requirements. gher shipping prices for Madagascar NILLA BEANS have been brought into ect and Mexican produce continues to be oted firmly at high levels. The Departents of Commerce reports that imports ESSENTIAL OILS into the U.S. over the st seven months of the year at 804,912 showed a decline of 18 per cent. on reipts during the comparable period of last ar. Demand from abroad for AROMATIC HEMICALS is reported to have increased, rticularly in the case of France.

Pharmaceutical Chemicals

BUTYL CHLORAL HYDRATE.—Current prices e from 17s. 6d. per lb. upwards.

CALAMINE.—B.P.C. quality is quoted at . 5d. to 2s. 2d. per lb.

CALCIFEROL.—Quotations are at from s. to 12s. per gm., according to quantity.

CARBROMAL.—Importers' quotations are 45s. per lb. In short supply.

DITHRANOL, B.P.—Makers ask 175s. per . for this product.

EUCALYPTOL.—Quotations for B.P.C. are om 12s. to 13s. per lb., according to uantity.

HEXAMINE.—B.P. is quoted at from s. 8d. to 2s. per lb., as to quantity.

HEXYL RESORCINOL. — Quotations are round 17s. 6d. per oz.

HORMONES. — PROGESTERONE, B.P., is uoted at 150s. per gm. and ŒSTRONE, B.P., t £21 per gm.

IODOPHTHALEIN, B.P.—Current price is 0s. per lb.

ISOPROPYL ALCOHOL. — Makers quote 5s. 3d. per gall. for small lots.

MANDELIC ACID.—Current prices per lb. are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

NICOTINIC ACID, B.P.—Makers quote 80s. per lb. for this product; NICOTINAMIDE, B.P. is quoted at 170s. per lb., for small quantities.

NIKETHAMIDE, B.P. — Current quotations are at 150s. per lb.

PANCREATIN.—Price of B.P. material is from 13s. 6d. upwards, as to quantity.

PEPSIN.—Quotations for B.P. standard are at 33s. 6d. per lb.

SALICYLSULPHONIC ACID.—Makers' quotation for this reagent is 15s. per lb.

SULPHANILIC ACID, B.P.C.—Current quotations are around 6s. per lb.

Crude Drugs

ALOES.—Cape is in good supply on the spot, with quotations at 170s. to 175s. per cwt.; for shipment 145s., c.i.f. Curaçao in boxes, is quoted at 235s. to 245s., spot; forward, 215s. to 220s., c.i.f. Socotrine is available at from 156s. to 190s. per cwt.

ANISE (STAR).—The market continues quiet with only a small business; quotations are from 120s. to 130s. per cwt.; shipment, dearer at 115s., c.i.f.

BALSAMS.—*Canada* in short supply is quoted at 17s. per lb., spot. Pará *Copaiba*, spot, 8s. per lb. for soluble and 7s. 3d. for insoluble. *Peru*, San Salvador 6s. 9d. to 7s. per lb., duty paid. A fair amount of *Tolu* is coming forward at 18s. per lb.

BELLADONNA.—Herb on the spot of B.P. quality is offered at 5s. 6d. per lb. Root is quoted at 6s. 6d. to 7s. per lb., according to test.

BENZOIN.—Steady on the spot. Sumatra is quoted at from £15 to £17 and upwards, according to quality and seller.

CAMPHOR.—Very little demand is reported and prices are unchanged. Chinese tablets (¼-oz.) quoted at 11s. 3d. to 11s. 6d. per lb.; refined powder (B.P.), 10s. 3d. to 10s. 6d., Formosa (B.B.), 9s. 6d. to 10s.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

CASCARA SAGRADA.—Spot, American new-crop is offered at prices ranging from 250s. to 255s. per cwt.; 1946 crop, 260s., duty paid.

GINGER.—Jamaica No. 1 is quoted at 115s. per cwt., spot; No. 2 is firmer at 100s.; No. 3, 95s. Sierra Leone, on the spot, is unchanged at 67s. 6d.

GUM ACACIA. — Kordofan cleaned sorts, easier at 72s. 6d. per cwt., London or Liverpool; shipment, 69s., c.i.f. Bleached No. 1, 145s., ex store. Talha, 42s. 6d. per cwt., spot; forward, 38s. 6d., c.i.f.

GUM MASTIC.—No. 1 is offered on the spot at 14s. per lb., duty paid.

HOREHOUND.—Best white French herb is available at 89s. per cwt.

IPECACUANHA.—A firm market. Nicaraguan on the spot is quoted at 27s. 6d. per lb.; for shipment, 24s., c.i.f. Colombian root is firmer with spot quoted at 27s. and shipment at 24s., c.i.f.

KOLA NUTS.—Steady. African quarters are quoted at 5d. per lb.; African halves, 3d. to 5d., according to quality; Jamaican washed halves, 5½d. per lb.

LIQUORICE ROOT.—Anatolian whole root is steady at 52s. 6d. per cwt., spot. Turkish juice (block) is available from 240s. to 250s. per cwt., duty paid; shipment, 225s., c.i.f.; Turkish stick (2-oz.) is offered at £455 10s. per ton, spot. Italian stick (1-oz. and 2-oz.) is available on the spot at prices ranging from £420 to £535 per ton, according to quantity and brand.

MALE FERN.—Jugo-Slav is firmer at from £85 to £90 per ton, spot.

MENTHOL.—Firm. Brazilian material on the spot, 50s. to 51s. per lb., duty paid; Chinese, in original cases, is quoted at 57s. 6d. to 60s. per lb., duty paid.

MERCURY.—Spot quotation is £16 per flask, ex warehouse; for shipment, £15 8s., c.i.f. U.K.

MYRRH.—Spot. Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—Firmer on the spot. West Indian 80's are quoted at 3s. 3d. per lb.; sound unassorted, 2s. 6d.; wormy and broken, 1s. 8d. East Indian 80's, 3s. 9d., spot.

RHUBARB.—A good export business has been done. Chinese rough-round on the spot ranges in price from 5s. to 7s. per lb., according to quality; good-fracture root afloat is quoted at 5s. 6d., duty paid.

SARSAPARILLA.—Jamaican native red, quoted at 2s. 4d. per lb., spot.

SEEDS.—The markets continue quiet. ANISE.—Cyprus, offered at 2s. per lb.; Turkish, 1s. 11d. per lb., duty paid, spot London or Liverpool. CARAWAY.—In small demand. Dutch quoted at 1s. to 1s. 1d. per lb., duty paid, spot London. CELERY.—Unchanged. Indian offered at 1s. 3d. per lb., spot Liverpool. CORIANDER.—Market firm. Morocco old-crop quoted at 47s. 6d. per cwt., duty paid; Argentine offered at the same price, spot London, for November-December delivery; English 75s. to 80s. per cwt. CUMIN.—Market quiet. Indian is 225s. per cwt., ex store Hull; Cyprus offered at 225s. per cwt., ex wharf London. DILL.—Indian is unchanged at 45s. per cwt. in London, and 42s. 6d. in Liverpool. FENNEL.—Several inquiries but no business reported. Indian, 72s. 6d. to 75s. per cwt., ex store Liverpool. FENUGREEK.—Quiet and unchanged. Indian, 47s. 6d. per cwt., spot London and 45s. per cwt., in Liverpool.

SENEGA.—The market is inclined to be firm with spot quotations from 12s. 3d. per lb.

SENNA.—Tending easier as new-crop shipments are arriving. Tinnevelly leaves, spot, No. 1, 1s. 2d.: No. 2, 10½d.; No. 3, from 6¼d.; No. 4, 7½d. per lb. Tinnevelly pods, handpicked, 10d. to 1s. 4d.; manufacturing, 5½d. to 6d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb. Alexandrian leaves, 1s. 2d. per lb.

SHELLAC.—F.O.T.N., pure, quoted at 317s. 6d. per cwt., spot.

SQUILL.—Italian white is quoted at 65s. per cwt., spot; Italian red, 84s., spot.

STRAMONIUM.—Hungarian, on the spot, is offered at 115s. per cwt.

STROPHANTHUS.—Kombé, 100 per cent., is worth 9s. 6d. per lb., on the spot.

Essential and Expressed Oils

ALMOND.—B.P. (sweet) is now ver scarce on spot with prices ranging fro 8s. 6d. to 12s. per lb. Bitter oil, of goo quality, is steady at 55s. to 60s. per lb.

ANISE.—A firm market. Spot is quote at 6s. 6d. to 7s. per lb. for drums; nea afloat, 6s. 6d., c.i.f. for drums and 7s., c.i. for tins in cases.

BAY.—West Indian is offering at 7s. 6 to 9s. per lb., spot.

CADE.—Spot quotations are unchange and range from 4s. to 5s. 6d. per lb.

CAMPHOR.—White oil to come forward quoted at 3s. to 3s. 3d. per lb., duty paid.

CANANGA.—Java oil is offering at fro 35s. to 40s. per lb., spot.

CASSIA.—Spot quotations are lower a from 15s. 6d. to 16s. 9d. per lb., as to quan tity.

CASTOR. — Controlled prices are un changed: Firsts, £180 per ton; second £176, naked ex works.

CINNAMON.—Imported Ceylon bark oil i quoted from 10s. to 12s. 6d. per oz., accord ing to quantity; English-distilled, from 24s to 40s. per oz. B.P. oil is offered at 85 to 90s. per lb. Leaf oil, spot, is unchange from 10s. to 13s. per lb.

CITRONELLA.—Ceylon, spot, is quoted a about 4s. to 5s. per lb.; Java, forward quoted at about 7s. 6d., c.i.f.

CLOVE. — English-distilled bud oil i steady at 11s. 6d. to 12s. per lb.

CORIANDER.—English-distilled, 250s. pe lb., nominal quotation.

FENNEL.—Sweet oil is quoted at 17s. 6d to 20s. per lb., on the spot; rather scarce.

GERANIUM.—Bourbon is quoted fron 67s. 6d. to 75s. per lb., according to quantit and grade; shipment offers are at abou 57s. 6d., c.i.f.

GINGER.—Prices are quoted from 75s. t 125s. per lb., according to grade.

GUAIACWOOD.—Spot quotations are fron 16s. to 19s. per lb., according to quantit and seller.

JUNIPER BERRY.—Steady. Importers quotations are from 30s. to 35s. per lb English-distilled quoted from 50s. to 125s per lb., according to quality and seller.

LAVANDIN.—Spot quotations are from 11s. 6d. to 13s. 6d. per lb.

LAVENDER.—French is quoted from 35s. to 45s. per lb., according to quantity and grade. Spanish (spike), 10s. 6d. to 13s. per lb., spot.

LEMONGRASS.—Market values are unchanged on the week; spot supplies 6s. 9d. to 7s. 6d. per lb., according to quantity and seller.

LIME. — West-Indian distilled oil is quoted from 26s. per lb., spot.

NUTMEG.—English distilled oil is quoted at from 42s. to 45s. per lb.

PENNYROYAL.—Spot is steady at from s. to 25s. per lb.

THYME. — Red oil (40-42 per cent. henols), 13s. 6d. to 16s. per lb.; white oil, s. to 18s. 6d. per lb., spot.

Synthetics and Isolates

AKERS report that the majority of the ore important perfumery chemicals are in lequate supply, and sufficient to meet all asonable demands. Few prices have hanged in recent weeks, and the tone of e market is inclined to be firm. Quotaons are per lb. and vary according to antity, grade and seller.

ACETOPENONE. — 10s. 6d. ACETYL SOEUGENOL.—32s. 6d. AMYL ACETATE.— s. 9d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. MYL BUTYRATE.—8s. (nominal). AMYL ALICYLATE.—3s. 6d. to 4s. 6d. AMYL INNAMIC ALDEHYDE.—25s.; not too plentiil yet. ANISIC ALDEHYDE (AUBEPINE).— x anethole, 32s. 6d.; ex paracresol, 25s.; erfumers', 30s. to 32s.

BENZYL ACETATE.—3s. 6d. to 5s. BENZYL LCOHOL.—From 3s. 6d. to 5s. BENZYL SOEUGENOL.—35s. BENZYL PROPIONATE. —7s. 6d. BENZYL SALICYLATE.—7s. 6d. to 0s. BENZYL SUCCINATE.—20s. to 22s. 6d. ORNYL ACETATE.—10s. 6d. to 12s. 6d. UTYRIC ACID.—8s.; still very short.

CINNAMIC ALDEHYDE.—8s. to 9s. CINAMIC ALCOHOL.—17s. 6d. to 18s. 6d. ITRAL.—15s. to 37s. 6d. CITRONELLOL.— x Ceylon, 30s.; ex Java, 50s. COUMARIN. —19s. to 20s.

DIPHENYL METHANE.—6s. 6d. to 7s.

ETHYL BENZOATE.—5s. 6d. to 6s. 6d. THYL PHTHALATE.—2s. to 2s. 6d. EUGENOL. —13s. 6d. to 17s.

GERANIOL.—Ex Ceylon oil, 20s. to 30s., ccording to grade; ex Java, 45s. to 60s.

HELIOTROPINE.—22s. 6d. HYDROXYITRONELLAL.—95s.; perfumers', 120s.

ISOEUGENOL.—17s. to 20s. INDOL (per z.).—20s. IONONE 100 per cent.—35s. to 7s. 6d.

LINALOL.—50s. to 52s. 6d. LINALYL ACETATE.—52s. 6d. to 55s.

METHYL ACETOPHENONE.—12s. 6d. to 14s. METHYL ANTHRANILATE.—17s. 6d. to 20s. METHYL BENZOATE.—5s. 6d. to 6s. 6d. METHYL CINNAMATE.—12s. 6d. to 14s. METHYL IONONE.—37s. 6d. to 40s. MUSK AMBRETTE. —None available. MUSK KETONE.—45s. nominal. MUSK XYLOL.—13s.; demand continues in excess of supply. MUSTARD OIL (artificial).—18s. 6d. to 20s.

NEROLIN BROMELIA.—17s. 6d. NEROLIN. YARA YARA.—9s. 6d. to 10s. 6d.

PHENYLACETALDEHYDE.—60s. PHENYL ACETIC ACID.—7s. 6d. to 8s. 6d. PHENYL ETHYL ALCOHOL.—15s. to 16s.; demand exceeds supply.

RHODINOL.—170s. to 185s.

STYROLENE ACETATE.—10s. 6d. to 11s. 6d.

TERPINEOL (perfumers').—5s. 3d. to 5s. 9d. TERPINYL ACETATE.—12s. 6d. to 13s. 6d.

INDONESIAN PRODUCTS

THE following extracts are taken from a recently published report prepared for the Government of the Netherlands East Indies by Dr. J. E. van Hoogstraten, Director of the Economic Affairs Department at Batavia. The difficulties which have arisen in collecting information in parts of Indonesia make many of the particulars given in the report in the nature of approximations, especially those dealing with areas not under the control of the Dutch authorities.

ARECA.—The main producing and exporting area is northern Sumatra, with exports to Malaya and other eastern Asiatic countries. Information regarding the present state of the cultivation is not so far available, but it may be assumed that productivity has lost little, or possibly nothing at all.

CINCHONA.—Cultivation is mainly in West Java. By the middle of September, twenty-eight plantations were under Dutch control, with a standard annual production of 539 tons of quinine sulphate. On the majority of plantations there is some damage to the factory buildings, but all these can soon be repaired. The area planted with cinchona at the present time is 16,302 acres.

ESSENTIAL OILS.—Of these products, citronella oil is by far the most important. Its pre-war exports varied from 2,000 to 2,500 tons per annum. The main area of cultivation was the Residency of Priangan. Information about present conditions is scanty, but it seems probable that neglect and the failure to establish additional young plantations will have caused a great reduction in capacity, possibly to one quarter to one third of the pre-war level. Full rehabilitation will demand at least six years, and only a slow rise in production can be achieved during the first few years.

NUTMEGS.—Pre-war annual exports of this product totalled some 4,000 tons. In 1946, only 761 tons were exported; in the first two months of 1947, 23 tons. In Banda, the main area of cultivation, great damage was done during the Japanese occupation to the plantations of the native growers. It is estimated that more than half of the planted area has been destroyed. In Menado, production is deteriorating in the absence of new planting of trees. In Ternate on the other hand, the trees are said to have suffered little, and the reports add that the level of production may actually have increased during the war. An estimate for the whole of Indonesia puts the total production capacity at no more than 60 per cent. of the pre-war level. Recovery of this crop of slowly growing trees will need at least ten to fifteen years, and considerable increase in production is to be expected only towards the end of that period.

TRADE MARKS

(*From "The Trade Marks Journal," October* 15)

Geometrical design; "D.T. & Co." and picture of a bull fight; for preparations and substances for laundry use; cleaning, polishing, scouring and abrasives; soaps, non-medicated toilet preparations, cosmetics, hair lotions and dentifrices (3). By David Thom & Co., Ltd., Whit Lane Works, Pendleton, Salford. 648,605-06 (Associated).

"LANOFAX"; for all goods (3). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 650,908.

"WILLOW PATTERN"; for non-medicated toilet preparations, cosmetics, perfumes and perfumed soap (3). By Eric Ivor Peddle, 20 Gloucester Street, Stroud, Glos. 651,185.

"SENMOL BLEACH" and rectangle; for bleaching preparations for laundry use (3). By Luke Ernest Senior and John Stanton Molyneux, Senmol Chemical Works, 122A Pembroke Road, Canton, Cardiff, Glam. 650,381.

"COSMIC"; for waxes for use in industry, industrial oils and greases (other than edible oils and fats and essential oils), lubricants, dust-laying and absorbing compositions, illuminants, candles, tapers, etc. (4). By Abril Corporation (Gt. Britain), Ltd., 25 Hanover Square, London, W.1. 650,607 (Associated).

"THIAZAMIDE"; for sulphathiazole and its derivatives, and preparations containing these substances, for pharmaceutical and veterinary use (5). By May & Baker, Ltd., Dagenham, Essex. B642,020 (Associated).

"GABISMAC"; for pharmaceutical preparations for human and veterinary use, sanitary preparations, substances and disinfectants (5). By Jose Ma Sorjus Roig, 606 Avenida Jose Antonio, Barcelona, Spain. 646,490.

"SKEETICIDE"; for insecticides and insect-repelling preparations (5). By Cupal, Ltd., Phoenix Mill, King Street Bridge, Blackburn, Lancs. B648,334.

"OCAL"; pharmaceutical preparations for treatment of the eyes (5). By Charles Delacre, 321 Avenue de la Couronne, Brussels. 648,646.

"PERSISTOL" in distinctive lettering; for insecticidal preparations for agricultural and horticultural purposes (5). By California Spray-Chemical Corporation, Corner of Lucas Street and Ortho Way, Richmond, California, U.S.A. 648,938.

"CYCLURYL"; for chemical substances for use in medicine and pharmacy (5). By Angélo Mariani, 10 rue de Chartres, Neuilly-sur-Seine, France. 649,011.

"ROYAM"; for bicarbonate of soda and mineral salts for medicinal purposes (5). By George Mayor & Co., Ltd., 8 Hatcham Park Road, London, S.E.14. 649,215.

"INSECTACINE"; for insecticides and insect-repelling preparations; "MEDOL"; for medicated ointments, liniments, embrocations and medicated lotions (5). By Pearson's Antiseptic Co., Ltd., 172 Buckingham Palace Road, London, S.W.1. B649,237, 650,282 (Associated).

"TUBARINE"; for preparations of *d*-tubocurarine chloride for use in medicine and pharmacy; "KHAROXINE"; for all goods (5). By The Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. B649,777, 650,909 (Associated).

COMING EVENTS

Monday, November 10

LEICESTER BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Board Room, Leicester Royal Infirmary, at 7.30 p.m. Miss Hill on "Social Work Among Women Prisoners."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY. Central Library Hall, Beckenham, at 8 p.m. Professor H. Berry on "Practical Sterilisation in Retail Business."

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 56 Lord Street, Liverpool, at 7.30 p.m. Address by Mr. D. Barber.

Tuesday, November 11

WOLVERHAMPTON CHEMISTS' ASSOCIATION, Star and Garter Hotel, Wolverhampton, at 7.30 p.m. Mr. F. W. Hudson on "Plastics."

Wednesday, November 12

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Institute of Accountants and Actuaries, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. F. B. Royal on "Pharmaceutical Industry in the British Zone of Germany."

Thursday, November 13

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Evening meeting. Dr. Hans Flück (Professor of Pharmacognosy, Faculty of Pharmacy, Swiss Federal Technical Institute) on "Chemical and Biological Aspects of the Conservation of Vegetable Drugs."

MANCHESTER PHARMACEUTICAL ASSOCIATION and MANCHESTER BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, St. Mary's Hospital Lecture Theatre, Manchester, at 7.45 p.m. Mr. D. H. Geard, B.Sc., Ph.C., on "The Pharmaceutics of Penicillin Manufacture."

HARROW BRANCH, PHARMACEUTICAL SOCIETY. Visit to Wealdstone works of Kodak, Ltd. (particulars from Mr. H. W. Tomski, 21 Hillcroft Avenue, Pinner, Middlesex).

Friday, November 14

READING BRANCH, PHARMACEUTICAL SOCIETY, Abbey Gateway Meeting Room, The Forbury, Reading, at 7.30 p.m. Mr. C. Beaven on "The Riddle of Allergy."

Saturday, November 15

NORTH-EASTERN BRANCH, GUILD OF PUBLIC PHARMACISTS, Halifax General Hospital, at 3 p.m. Meeting.

Monday, November 17

LIVERPOOL CHEMISTS' ASSOCIATION, Board Room, Adelphi Hotel, Liverpool, at 7.15 p.m. Open meeting.

LIVERPOOL DISTRICT WINDOW DISPLAY COMPETITION (organised by the Crookes Laboratories, Ltd.). November 17-29.

BIRKENHEAD & WIRRAL PHARMACISTS' ASSOCIATION is holding a dance in aid of pharmaceutical charities at Birkenhead Town Hall on Wednesday, November 19. Tickets (7s. 6d. each) from Mr. J. W. Waterworth, Bebington Road, Rock Ferry.

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, is holding a dance at the Grand Hotel, Hanley, on Thursday, November 27. Tickets (7s. 6d. each) from Mr. R. A. Hackney, 21 Parliament Row, Hanley.

A new display piece for RADIO-MALT

A request to B.D.H., or to the representative when he calls, will bring you this new showcard, a valuable sales aid for Radio-Malt. It will give an extra stimulus to your sales during the coming season, for its theme has an immediate appeal to so many of your customers — those with children.

It is attractively coloured and its size is just right — 12″ x 18″.

Supplies of Radio-Malt are improving although, owing to the shortage of jars, they are not unlimited.

P.A.T.A. PRICES	TRADE	RETAIL
Small size	2/1½	3/-
Medium size	3/10	5/6

THE BRITISH DRUG HOUSES LTD. LONDON N.1

RM/T/2

We specialize in the manufacture of

Salts and Derivatives of

8—HYDROXYQUINOLINE

Including

CHINIOFONUM *and* **DI-IODOQUIN**

also

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PIERSON, MORRELL & CO. LTD.

THE ORIGINAL BRITISH ASPIRIN MAKERS

BARNET, Herts

Telegrams : Pierson Morrell Barnet Telephone : BARnet 0723

RELY UPON

All prepared and standardised under direct personal control

R. GRAESSER LTD.

The Chemical Works, Sandycroft, nr. Chester

Favella *brand*

LICORICE STICKS

Shipments are arriving in this country

Your WHOLESALER can now make

PROMPT DELIVERIES FROM STOCK

Sole Concessionaires for the United Kingdom

A. ELDER REED & CO. LTD.

105, HIGH STREET, BATTERSEA, S.W.11

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THE ETHYL AND PROPYL ESTERS OF SALICYL GLYCOLLIC ACID

A valuable remedy recommended by the Medical Profession for use where rheumatoid conditions exist. The viscosity is such that a suitable rate of absorption is ensured.

JOHNSON & SONS

MANUFACTURING CHEMISTS LIMITED

HENDON N.W.4. Established 1743

WE SPECIALIZE IN THE MANUFACTURE OF

GALLIC ACID-PYROGALLIC ACID

PURE & TECHNICAL RESUBLIMED, PURE CRYSTAL & TECHNICAL

WHOLESALE & EXPORT ONLY. Enquiries Invited

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

TELEPHONE: RIPPLEWAY 2763 TELEGRAMS: : GALLIC, BARKING."

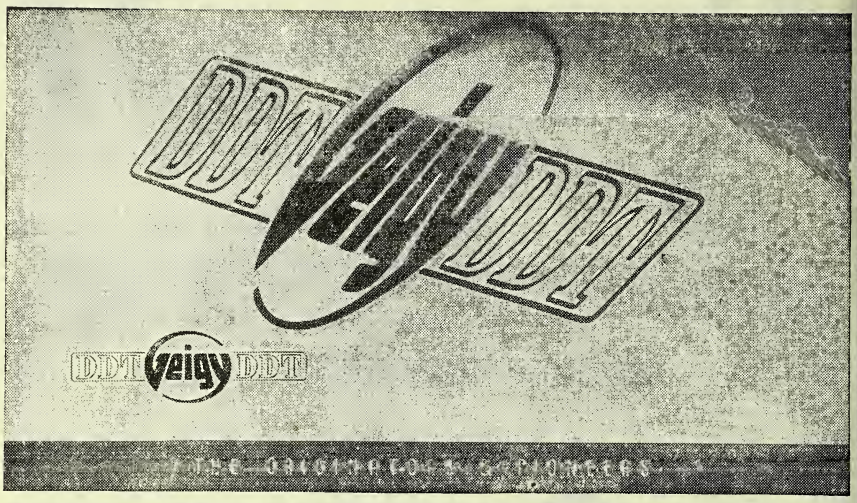
Manufacturers of **TANNIC ACID** (Bulk Supplies Only)

ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.

19 St. VINCENT PLACE, GLASGOW, C.1

Telephone: CENTRAL 4425 *Telegrams: DYEWOOD*



PHARMACEUTICAL LABORATORIES GEIGY LIMITED NATIONAL BUILDINGS MANCHESTER 3
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POWDER OUR "SOJ" BRANDS

ARE ESPECIALLY GRADED FOR ALL USERS AND INDUSTRIES

WE ALSO STOCK KARAYA AND ACACIA POWDER

Samples and Prices on Application

SALEM (Pulverised Tragacanth) **LTD.**

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TELEPHONE: METROPOLITAN 9628

CASH IN ON HERBALEN

Extensive advertising in the national and provincial press, and the recommendations of satisfied users have built up a large market for Lusty's HERBALENE, a natural, non-habit forming laxative, and one of a group of pure herbal products. You can cash in on that demand : write now for full details!

Attractive showcard on request.

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WESTCLIFF-ON-SEA ESSE

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.	70/75% B.P.
Oil Euc. Dives 40/45%	Piperitone 90/95%
Oil Euc. Citriodora	Oil Euc. Phellandra

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UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD LTD., 15 Philpot Lane, London, E.C.3**

'Phone : MANSION HOUSE 9264-5-6 **(WHOLESALE ONLY)** *'Grams : WYFIELD, LONDON*

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FINE CHEMICALS

OPIUM DERIVATIVES

ALOIN, ATROPINE, BISMUTH SALTS, CANTHARIDIN, CAPSICIN, CHLORAL HYDRATE, CHLOROFORM, CODEINE, COTARNINE, CRYPTOPINE, DIACETYLMORPHINE, EPHEDRINE, ERGOTIN, ETHYLMORPHINE, ETHYLNARCEINE, GINGERIN, GNOSCOPINE, HOMATROPINE, HYDROCOTARNINE, HYOSCYAMINE, IRIDIN, JALAP RESIN, LEPTANDRIN, MAGNESIUM TRISILICATE, MECONIC ACID, MORPHINE, NARCEINE, NARCOTINE, OPIANIC ACID, PAPAVERINE, PHYSOSTIGMINE, PODOPHYLLIN, SALICIN, SANTONIN, SCAMMONY RESIN, STRYCHNINE, THEBAINE

and all Pharmaceutical Chemicals and Preparations

Some of our Latest Products...

DIHYDROCODEINONE
DIHYDROMORPHINE
DIHYDROCODEINE
DIHYDROHYDROXY-CODEINONE

and their Salts

ESTABLISHED 1827 T&H SMITH LTD

BLANDFIELD CHEMICAL WORKS · EDINBURGH

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GLASGOW: 32 VIRGINIA STREET, C.1
LONDON: 4 CARLOS PLACE, W.1

GRAESSER SALICYLATES LIMITED
Manufacturers of Fine Chemicals
SANDYCROFT
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PHENYL SALICYLATE B.P.C.

(SALOL)

Available in the form of Crystalline Powder for which we invite your enquiries

JKL

ALOES
CARRAGEEN MOSS
ERGOT OF RYE
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LIQUORICE ROOT
MENTHOL CRYSTALS
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and others

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Telephone: LONdon Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London."

GALE'S NUTRITIOUS TONIC

MORELIX
(Regd.)

ESPECIALLY SUITABLE FOR CHILDREN AND DURING CONVALESCENCE

Contains Liquid Malt, Vitamins A & D, Hypophosphites and Virginian Prune.

DREADNOUGHT BRAND

GALE, BAISS & CO. LTD.,
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GUMS TRAGACANT AND ACACI
As Imported or Finely Powde
ALL GRADES
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Telephone: Mansion House 8119

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FROM OUR OWN GROWERS *Alexandrian & Tinnevelly Pods, Leaves, Sifting*
John Ronaldson & Co. Ltd., Universal House, Southwark Bridge, London, S.E.1 Phone: Waterloo 6151

DRAGONS BLOOD
CURACAO ALOES
TANNIC ACID
CITRIC ACID
KRAMERIA ROOT
CINCHONA BARK
LAMBETH & Co. (LIVERPOOL) Ltd
Greenock Street,
LIVERPOOL, 3

ANOTHER PAGE FROM THE

STERLING

VOLUME

Page 137

Chemicals

MAGNESIUM STEARATE

A basic stearate of magnesium containing 7 to 8% magnesium oxide.

Properties. A soft, white, bulky, odourless, neutral, impalpable powder, free from any harsh or gritty particles. Insoluble in water. Usually contains a proportion of palmitate and smaller amounts of oleate. Soluble in white oil on heating, setting to a transparent jelly on cooling.

Standard. Bulk packing density about five pounds per cubic foot. The usual grade is "cosmetic" and as such must be soft, smooth and uniform and free from gritty particles, dirt, water soluble impurities and mineral acids.

Uses. Magnesium stearate is used very largely in the formulation of cosmetic powders, nursery dusting powders, talcum powders, compacts, etc. Its qualities of fineness of texture and adherence to the skin makes it an essential ingredient in these products. Being entirely non-poisonous, it has replaced zinc stearate in many cases, particularly dusting powders. Magnesium stearate is now used extensively by tablet makers as a lubricant and excipient and replaces talc and similar materials for this purpose.

Packages. Paper-lined hessian bags—56 lbs. nett.

Manufacturers: **THOMAS TYRER & Co. Ltd.**
Stratford, London, E.15

ACIDS (Pure)

BISMUTH SALTS

CITRATES

SCALE PREPARATIONS

ETHER ANÆSTHETIC B.P. and METHYLATED

MERCURIALS

May we quote you for—

GLAUBER SALTS B.P.

Pea Crystal and Feathery

EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated

All grades conform to the 1932 B.P. Standard

Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export.

HARRIS, HART & Co. Ltd.

MOSS HOUSE CHEMICAL WORKS, BLACKLEY, MANCHESTER 9.

Telegrams : *Harp, Blackley, M/c.*

Telephone : *Cheetham Hill 2853*

Bush Beach & Gent L

BRITISH MANUFACTURED

POTASSIUM SULPHATE

(Commercial and B.P.C.)

COMMERCIAL GRADE 94/95% —

Practically White

Available for prompt and early forward delivery.

B.P.C. GRADE

Available for the moment in restricted quantities only. There are priority requirements.

ENQUIRIES INVITED

MARLOW HOUSE, LLOYD'S AVENUE, E.

Telephones: ROYAL 7077/8/9
Telegrams: Beafredma, Fen, London
Codes: A.B.C. 5th & 6th, Bentley's, Liebers. Private, Western Union 5 letter edition, Rudolf Mosse.

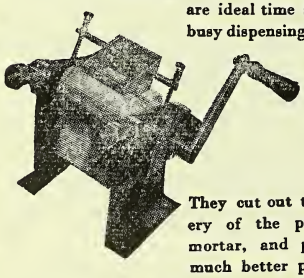
for refining

creams, ointments, etc.

PASCALL

ROLLER MILLS

are ideal time savers for busy dispensing chemists.



They cut out the drudgery of the pestle and mortar, and produce a much better product in far less time. Available with porcelain rolls 2" dia. × 4" long.

Write for list CD 3.

THE PASCALL ENGINEERING CO. LTD
114 LISSON GROVE, LONDON, N.W. 1

TABLET TUBES

HOME & EXPORT BUYERS SUPPLIE

ENQUIRIES TO

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21 HAYES LANE · KENLEY · SURRE

Telephone : UPLANDS 8119

Works : 25-27 MERSEY STREET · LIVERPOOL

for INDIAN BOTANICALS, CRUDE DRUGS, FOREST PRODUCTS, GUMS, MEDICINAL PLANTS, SEEDS SPICES, ETC. to

B.P., U.S.P., B.P.C. & N.F. Standards

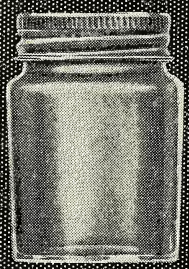
Export Enquiries to :

THE INDIGENOUS MANUFACTURES & PRODUCE (Sales) CO

160 Govindappa Naick Street, Madras

Cables: Dandelions

"National" Service



WHITE FLINT GLASS CONTAINERS
OF EXCELLENT QUALITY BACKED UP
BY FIRST CLASS SERVICE

WHOLESALE ONLY

Restrictions outside our control may not allow us to meet every requirement

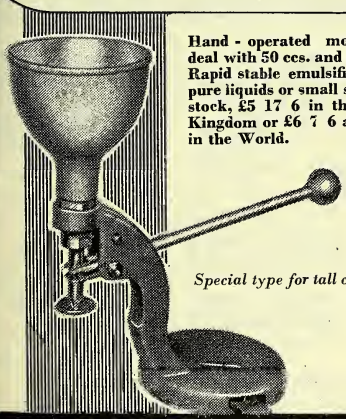
NATIONAL GLASS WORKS (YORK) LTD.

WORKS: FISHERGATE, YORK. LONDON OFFICE: 105 HATTON GARDEN, E.C.1

Telephone: York 3021 Telephone: Holborn 2146

EMULSIFIERS

HAND, BELT OR MOTOR DRIVEN



Hand - operated model will deal with 50 ccs. and upwards. Rapid stable emulsification of pure liquids or small solids. Ex stock, £5 17 6 in the United Kingdom or £6 7 6 anywhere in the World.

Special type for tall containers

ORMEROD ENGINEERS LTD.
SHAWCLOUGH • ROCHDALE

E10a

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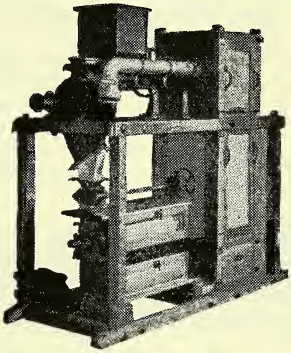
purely material

Not only will this machine reduce raw materials to a fine powder, but it sifts to a uniform grade and ensures absolute purity by rejecting any foreign matter. On the purely material side, it is economical to operate and runs trouble-free practically for ever.



Combined
FEEDING
GRINDING
SIFTING
and **DUST**
COLLECTING
PLANT

Wm. GARDNER & SONS (GLOUCESTER) LTD.
BRISTOL ROAD, GLOUCESTER

Telephone: 2288 (3 *lines*) *Telegrams:* *"Gardner, Gloucester."*

NEW PLASTIC SURGICAL DRESSING

FOR years doctors and chemists have felt the need for such a dressing as Plastic Skin. Neat, easily applied, transparent (invisible under a silk stocking or a little powder), flexible and waterproof, it is sterile, powerfully germicidal and analgesic. Because of its high phenol content, it *heals* as well as seals.

Originated for use as a dressing after blood transfusions, Plastic Skin is already widely used in hospitals, highly recommended by leading surgeons and doctors, and officially "recognised" for panel prescriptions.

As a dressing for cuts and abrasions, small burns, chilblains, mosquito and other insect bites, cracked skin, etc., its many advantages are self-evident.

"Portex" Plastic Skin is now packed in handy tubes (Retail price 1/8 including tax) which give maximum ease of application and prevent any risk of deterioration in stock. Also in larger size bottles. Generous trade terms.

FREE TESTING SAMPLE. Test this interesting new product for yourself. Sample tube gladly sent on application to:
PORTLAND PLASTICS LTD.
6 Victoria Street, London, S.W.1

DISTRIBUTORS FOR SCOTLAND:
Pharmaceutical Distributors (Glasgow) Ltd.
214/216 West Regent Street, Glasgow, C.2

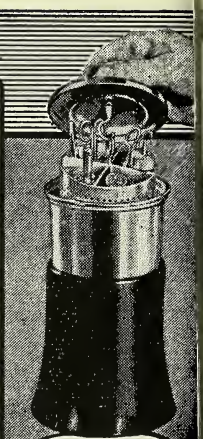
SEALS *and* HEALS

FORMULA: Phenyl Salicylate gr. xii. Methyl Methacrylate gr. xvii. Resorcinol gr. ii. Eugenol m. i. Chloroform m. x. Volatile Solvents ad ʒ ii.

SES

★ Electric and Non-Electric Sterilizers.
★ Hypodermic and Serum Syringes.
★ Spirit Proof Plastic Syringe Cases.

Obtainable through all Dealers and Retailers
Write for Descriptive Leaflets



'Surqualet' the most modern Electric Sterilizer

MANUFACTURED BY
Surgical Equipment Supplies Ltd
WESTFIELDS ROAD, LONDON, W.3.

THE RELIABLE
Edosan
ALL ELASTIC SANITARY BELTS
EDOSAN LTD. 189, CARLTON VALE, LONDON N.W.6

"Hobson's Choice" CORN PLASTERS & POWDERS
FOR CORNS

Feet Plaisters & Powders. This popular remedy gains new sales successes weekly. Widespread advertising assures constant demand. Have you got stocks?

HOBSON TRIMBLE & CO., LTD.
Union House, Leeds, 2

F. SCHUTZE & CO., LTD.
ESTABLISHED 1882
For "MASTER" BRAND SURGICAL TRUSSES
SUSPENSORY BANDAGES
JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs. Own bottles wickered at moderate cost

Black Bull Works, Market Road, London, N.7

nother Smith & Nephew Line in good supply

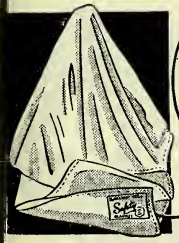
ZOFF

PLASTER REMOVER & SKIN CLEANSER

NOW IN NEW LARGER BOTTLE AT 1/-

Zoff is now marketed in a larger and more attractive bottle; the formula has been proved. Simultaneously with these changes the selling price of the improved product is w 1/- whilst you buy at 8/- a dozen bottles. ff is an obvious line for display because of its k with adhesive dressing and plaster sales. help you, Zoff Plaster Remover and Skin canser is now packed in display outers of six ttles—a neat and handy size for the counter. ff is in free supply and obtainable from ur usual wholesaler.

ZOFF
TRADE MARK
A SMITH & NEPHEW PRODUCT



The NELSON "Safety" ELECTRIC HEAT BLANKET

APPROVED BY THE MEDICAL PROFESSION

The Safe Blanket — *thermostat controlled, fabric woven from glass, — fireproof, shockproof*

Delightful in appearance

•

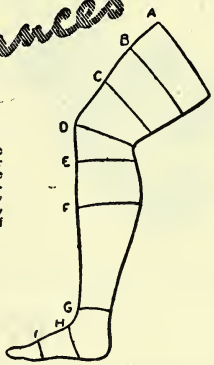
See your Wholesaler

•

ELECTRO-MEDICAL BLANKET CO. LTD.
MANCHESTER

HEWARDS

Surgical Appliances



Particulars of Elastic Hosiery and of other appliances from the extensive and comprehensive range made by Hewards will be gladly forwarded on receipt of a postcard.

ORDER THROUGH YOUR WHOLESALER

The R. H. Heward Co.
CROWN ROAD WORKS
TWICKENHAM

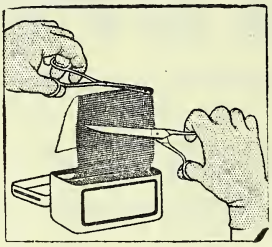
'Phone: POPESGROVE 2243/4

'Grams: BELTRUSS, TWICKENHAM

Sulphona-Tulle

(formerly Sulphanilamide Tulle Optrex Brand)

This is to notify all our friends that the name SULPHONA-TULLE will be used in future for the product which has been sold under the name of Sulphanilamide Tulle Optrex Brand. *The product itself remains unchanged.*



The gauge of 2 mm. mesh allows for adequate drainage. Continuous strip, 5 yards by 3½ inches.

Price per Tin 7/-

It is indicated for treatment of burns, septic skin conditions and chronic ulcerations. It is easily carried by a Doctor in his Emergency Case, or may form part of a First Aid Emergency Outfit.

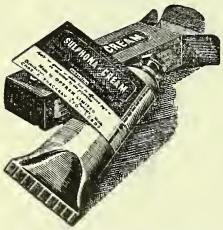
AND

Sulphona-Cream

(formerly "Sulphanilamide Tulle" Cream)

The name of "Sulphanilamide Tulle" Cream has been changed to SULPHONA-CREAM. This product also is unchanged.

½ oz. Tubes **15/-** per dozen. 1 lb. Jars **15/-** each.



These products are used extensively by the medical profession, and advertisements featuring them are at present appearing in the medical press.

Medical Discount 10%.
Retail Chemists Discount 33⅓%.

★*Printed label is detachable leaving space for doctor's own advice.*

(Both of these Products are subject to the Regulations applying to Schedule 4 of the Poisons Act.)

Manufacturers **OPTREX** *Limited*

Wadsworth Road, Perivale, Middlesex.

All Orders and Enquiries to be sent to the Sole Distributors :

Chas.F.Thrackray Ltd. 10 Park St. Leeds 1

Also London and Cape Town

SURGICAL DRESSINGS

Wholesale only

Enquiries are invited for any of the following manufactures—

Cotton Wools
Boric Acid Wool
Grey Wool
Gauze and Cotton Tissue
Absorbent Gauze
Boric Acid Gauze
Iodoform Gauze
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Ribbon Gauzes
Absorbent Lint
Boric Lint
Picric Lint
W.O.W. Bandages
Crepe Bandages
Domettes
Flannel
Muslin
Triangular Bandages

Fast Edge Bandages
Standard Dressings
Merchant Ships Dressings
Neck Wools
Bacteriological Wools
First Aid Dressings

ROBERT BAILEY & SON, LTD
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPO
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOCKPO

Now in prompt Supply

The Quality Brand

of Surgical Rubber Goods
Finest and most reliable !

SELKA LTD.

23 DERING ST., BOND ST., LONDON, W.1
Mayfair 2412

Factory : - TRADING ESTATE, SLOUGH, BUCKS

1847 1947

IN PACE WITH PROGRESSIVE DEVELOPMENT

The world-wide reputation enjoyed by Ingram's products today is the result of 100 years of scientific research and constantly improving manufacturing processes.

J. G. INGRAM & SON LTD

THE LONDON INDIA RUBBER WORKS, HACKNEY WICK, E.9.

KERSHAW CAMERAS

Space Reserved for Kershaw Advertising as soon as present orders have been executed.

PLANNED PARENTHOOD

1. Spermicidally efficient and clean in application.

2. Non-irritant and harmless to health.

3. Does not upset the vaginal pH value.

4. Free from fat substances.

5. Keeps perfect in tropical climate

6. Prescribed e tensively by t Medical Profession

GYNOMIN

TRADE MARK Regd. No. UK.609142

The Scientifically balanced antiseptic and deodorant contraceptive.

RETAIL AT 3/6 PER TUBE OF 12 TABLETS

KEEP ADEQUATE STOCKS
OBTAINABLE THROUGH YOUR WHOLESALER
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICITY WILL BRING NEW CUSTOMERS T YOUR PHARMA

COATES & COOPER LTD., NORTHWOOD, MIDDLESEX, ENGLAND

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

SURGICAL BELTS
TRUSSES AND SUNDRIES

50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm

English Filter

POSTLIP

Papers

SQUARES
CIRCLES
FOLDED
ROLLS

WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES FREE

Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.

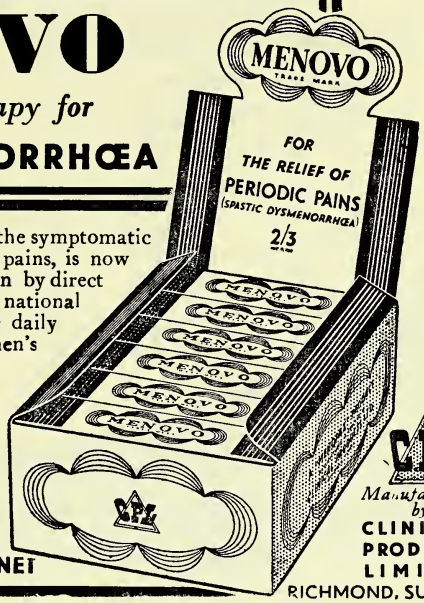
Evans, Adlard & Co. Ltd.

Postlip Mills, Winchcombe, Cheltenham

MENOVO

The Rational Therapy for

SPASTIC DYSMENORRHŒA



MENOVO, an entirely new approach to the symptomatic and antispasmodic therapy for menstrual pains, is now being introduced to the medical profession by direct mail and press announcements. A national campaign has also been arranged in the daily press, provincial newspapers and women's magazines

FORMULA: Bromisovalerylurea ¼ gr. (16.25 mg.); Carbromal ¾ gr. (48.75 mg.); Acetphenetidin (phenacetin) 2½ gr. (140.00 mg.); Ephed. hydrochlor 1/30 gr. (1.95 mg.); Codein phosph. 1/20 gr. (3.25 mg.); Ext. bellad. sicc. 1/15 gr. (3.90 mg.); Sod. bicarb. 2 gr. (130.00 mg.); Aromatic carminative q.s., Excipient q.s.

Orders for "smalls" may be handled by your usual wholesaler. Bonus parcels obtainable only from the sole distributors for the U.K.

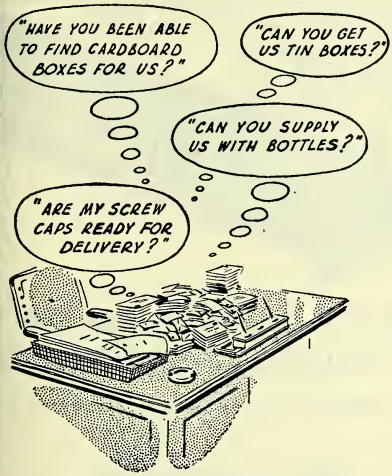
MAW OF BARNET

CPL

Manufactured by

CLINICAL PRODUCTS LIMITED

RICHMOND, SURREY



If you have not received our Leaflet 51, showing some of the wide range of metal containers always available, we shall be happy to send one on application.

YES! They all come to Percenta because we specialise in packaging containers of every type for the chemical, pharmaceutical, cosmetic and domestic trades. We are in constant touch with well over 100 factories throughout the world and consequently know where to lay our hands on any particular line that you may require. This is why twice as many people as in 1945 came to us for containers in 1946 and more than ever are coming in 1947.

Ampoules, bottles, cardboard boxes, jars, glass tubes, lever lid tins, lipstick holders, metal screw caps, plastic containers and caps, powder boxes, paint and polish tins, perfume bottles, soap boxes, tablet tins.

PERCENTA
THE CONTAINER PEOPLE

(PERCENTA LTD.)

PERCENTA HOUSE, 130/2 TOOLEY STREET, LONDON, S.E.1

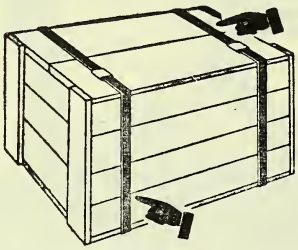
'Phone: HOP 0516 (6 lines)

USE :—

Wire Bands

BANDING SYSTEM

It's speedy! It's simple!!
Above all—It's Secure!!!

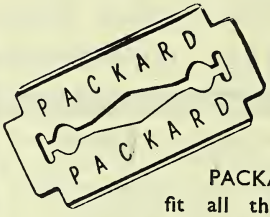


THESE BANDS WILL ENSURE YOUR GOODS ARE DELIVERED INTACT

Wire Bands LTD.

114, LANCEFIELD STREET, LONDON, W.10
Ladbroke 0725

the blade with
THE PERFECT EDGE



PACKARD BLADES fit all three-hole and slotted holders.

Substantial supplies for export are now available. Particulars can be had by applying to :

STEEL PRODUCTS LTD.
CARLOW,
EIRE

Telephone : Carlow 88 Telegrams : Steel, Carlow

A DELICATE SUBJECT — FOR DELICATE SKINS

The **TOTTY-POT**

Rubber Ringed for — Cushion Comfort

Trade Mark "Totty Pot" Patent applied for

A NON-CORROSIVE ACID-PROOF HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

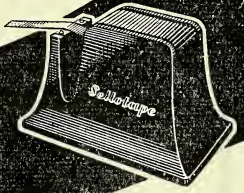
ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD., BILTIN WORKS, FONTHILL RD LONDON N.4.
ESTABLISHED 1899 TELEPHONE: ARCHWAY 2753 & 3858

This is the SEALING for selling!

★ Here's an eye-catcher for your product! It's Sellotape—the modern method for sealing jars; and the smart, quick sealing for packets and parcels. And it's ideal for fixing and protecting labels. Sellotape is supplied clear or coloured, transparent or opaque, plain or printed with your sales message, and in many widths. No moistening necessary—Sellotape ensures secure air-tight sealing at a touch. Seal with Sellotape and put punch in your packs.

GORDON & GOTCH, LIMITED
Dept. C D 5, 75/79 Farringdon Street
London, E.C.4



Sellotape
SELF-ADHESIVE CELLULOSE TAPE

BENSOBEN

—the successful new treatment for MANGE and ECZEMA in animals.

Directions for use:

Add one teaspoonful of BENSOBEN to half-a-cupful of warm water and stir. With this mixture and a piece of cotton wool wash the affected parts. Remove impeding hair, crusts and debris, then apply BENSOBEN undiluted. Repeat for four days when the disease should be under control.

Retail - - -	2/6
Trade - - -	21/-

(Including Tax)

●

BUREAU OF INSEMINATION LTD.
CARLTON ROAD, BURNLEY, LANCS.

THE HOUSE-PROUD WOMAN'S CHOICE

All Leading Wholesalers Stock it

TREECE POLISH Co. Ltd., NOTTINGHAM

EARLY RISING GENERATIONS

It's good that the up-and-coming generations of young shavers should know of the exclusive features, the years of research, the superb engineering skill and unrivalled care behind every Gillette razor and blade.

So Gillette advertisements just now are driving home the point that there are indeed many features which go to make this the finest of all shaving systems!

Order your requirements. Supplies of Gillette Blades have again improved and you should now be getting them regularly. If not, please write to Gillette Industries Ltd., Great West Road, Isleworth, Middlesex, giving the name of your usual wholesaler.

'Good Mornings' begin with Gillette

MARKSMAN Brand SPONGES

Christmas Trade

ATTRACTIVELY PACKED
"MARKSMAN" BRAND SPONGES

Trade Prices :
5/- 7/6 10/6 15/- 20/- 30/-
Plus 33⅓ P. Tax

The Ideal Gift

Leslie Marks & Company Ltd.

7-9, EARLHAM STREET, CAMBRIDGE CIRCUS, LONDON, W.C.2.
TEMPLE BAR 6135
GRAMS: MARKSPUNJ, WESTCENT, LONDON
CABLES: MARKSPUNJ LONDON

Eye appeal

Products in MONO all-paper containers have an instant counter attraction. Hygiene, purity, modernity, economy are all summed up in one word MONO. It will pay you to investigate the manner in which your product may be MONO-packed to greater advantage. Our design department exists to provide attractive coloured designs for any message. Your enquiries are invited.

containers

THE MODERN PACKAGE

MONO CONTAINERS Ltd · CUMBERLAND AVENUE · PARK ROYAL · LONDON N.W.10 Tel: ELGar 4044 (8 lines)

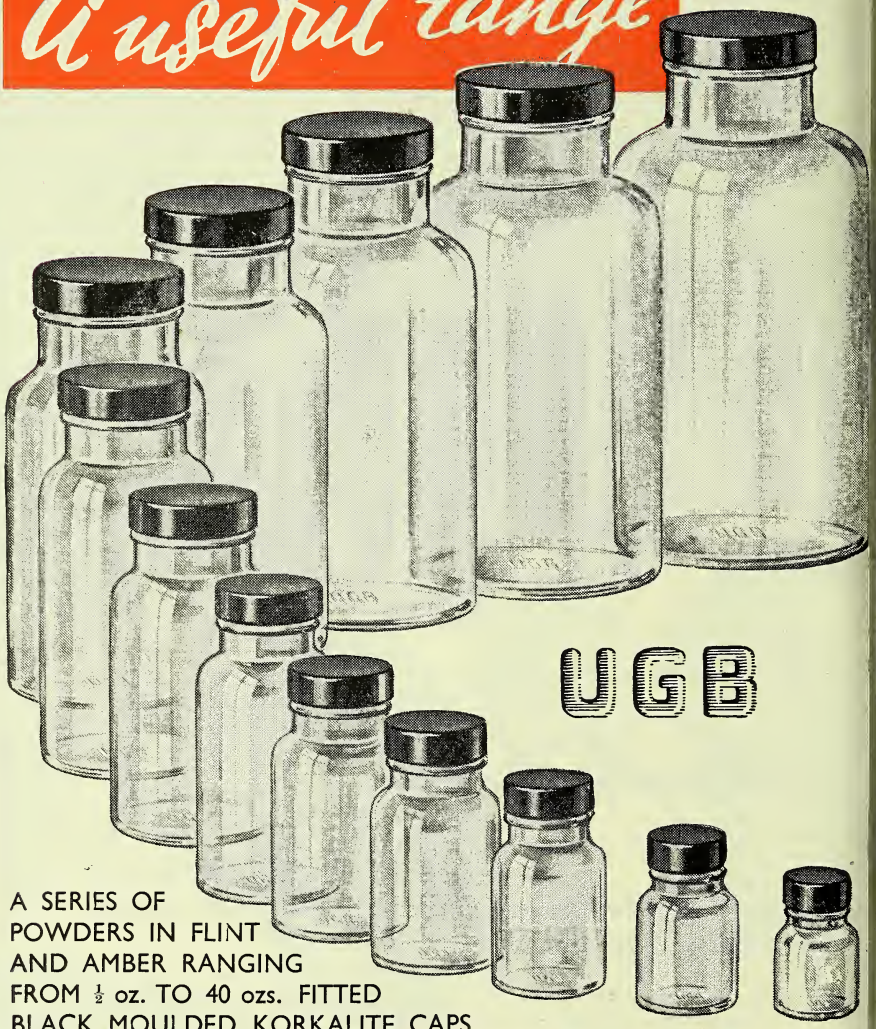
Eyebaths

We make four excellent types of superlative quality and finish in White Flint, Actinic Green or deep blue glass.

THE DEMAND IS IN EXCESS OF SUPPLY, BUT EVERY EFFORT IS BEING MADE TO PROVIDE ADDITIONAL CAPACITY FOR NEW BUSINESS

WOOD BROS. GLASS Co. LTD.
BARNSLEY ESTABLISHED 1828 **YORKS.**

A useful range



A SERIES OF POWDERS IN FLINT AND AMBER RANGING FROM ½ oz. TO 40 ozs. FITTED BLACK MOULDED KORKALITE CAPS

UNITED GLASS BOTTLE MANUFACTURERS LTD

8 LEICESTER STREET, LONDON, W.C.2

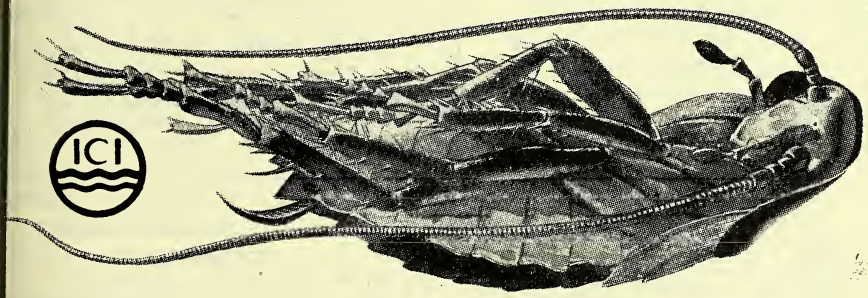
Telephone: **GERRARD 8611 (15 Lines)** *Telegrams:* **UNGLABOMAN, LESQUARE, LONDON**

To Cockroaches

'GAMMEXANE'

sts containing the gamma isomer of benzene hexachloride e a deadly enemy. Sanitary Inspector reports that after treating room with a 0.5% 'Gammexane' dust, the floor was so vered with dead cockroaches that a finger-tip could not put between them. Of low toxicity to man and animals, t to insect pests — by dust, spray or smoke — 'Gammexane'

SPELLS *DEATH*



G.23

onsult IMPERIAL CHEMICAL INDUSTRIES LIMITED, NOBEL HOUSE, LONDON, S.W.1

STREPH

THE COMPLETE ANTISEPTIC

Safe in use
Sure in action

A JEYES' PRODUCT

FOR MEDICAL & PERSONAL USE

STREPH IS APPROXIMATELY
THREE TIMES THE STRENGTH OF
LIQ. CHLOROXYLENOLIS OR
LIQ. CRESOLIS SAPONATUS

4oz. Bottle, in attractive carton, 1/9 (*inc. Tax*)
Pharmacists' Discount 33⅓%

National Advertising Campaign — Advertised in Medical Press

Detailed literature on request

JEYES' LABORATORIES LTD.
LONDON, E.13

ANONA WINN

FAMOUS STAGE AND RADIO STAR IS APPEARING IN 83 MILLION ADVERTISEMENTS FOR 'AURORAL' AND 'WINNER' DYES DURING 1947

LESS 5% FOR CASH IN 7 DAYS

AURORAL
Cold Water Dyes
48/- GROSS

WINNER
Home & Stocking Dyes
24/- GROSS

WHITAKERS OF KENDA

B. B.

TESTED INSECTICIDES

The makers of B. B. Insecticide offer 2 quick selling lines for 194

- **3 WAY ACTION D.D.T. INSECTICIDE POWDE**
  ATTRACTIVE PACK
  APPROX. 4 OZ. SPRINKLER DRUM
  SHOWS 40% PROFIT. Retails . 1/
- **B. B. BRAND D.D.T. FLY PAPER**
  THE SEASON'S BEST SELLER
  Owing to improved methods of deep impregnation we are able to retail at **2d. each.** Cost per gross . . 16

Trade Discounts Unchanged. Size Maintain

ORDER NOW For Immediate Delive
(Samples on Request)

HOME and EXPORT

Enquiries to—J. GOODMAN (Chemicals Ltd.) Devonshire Mews, Chiswick, W.
or direct to—B.B. Insecticides, 12a Osborne Mev St. Leonards Road, Windsor, Berl

S. MAW, SON, & SONS LTD.

P.O. Box 54, BARNET

Aldersgate House, Barnet, Herts.

DISTRIBUTORS TO THE TRADE FOR THESE TWO POPULAR FRUIT BOTTLING LINES

POROSAN SKIN in **2/-** and **5/-** rolls sufficient to seal 6 and 18 jars respectively. Thicker and better than ever.

POROSAN CAPS and **RINGS** in 3 packs retailing **3/-** doz. 1 lb. 2 lb. and 50/50 Pack ($\frac{1}{2}$ doz. each size).

Order **EARLY** *for* **1948** *Season*

keted by **POROSAN LTD.** 65-66 CHANCERY LANE LONDON, W.C.2

Still Urgently Needed

empty San Izal cases

The quick response by the Trade to our appeal for the return of San Izal packing cases is much appreciated. But there is still an urgent need for more and more cases to be returned promptly if future deliveries are to be maintained.

Please go on emptying your San Izal Fibre board cases as quickly as possible and put them ready, complete with inner divisions, for collection by Container Recovery Service.

If you have any difficulty over collections please write to us.

NEWTON, CHAMBERS AND COMPANY LTD.
THORNCLIFFE, Nr. SHEFFIELD

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

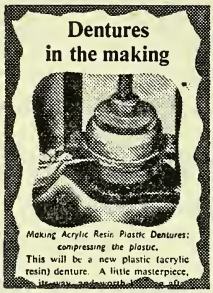
Send for our extensive sample range

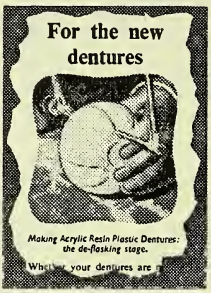
CARILLON PRESS LTD

Artists in the Production of Fine Labels

BOURNEMOUTH

Steradent features plastic dentures

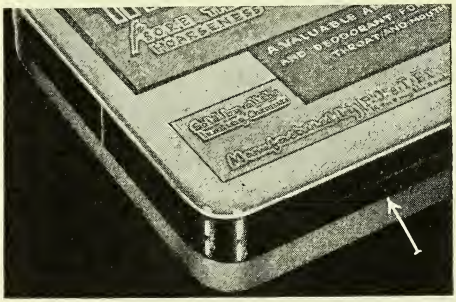




Early this year Steradent launched this advertising campaign on a national basis. Steradent has always been satisfactory for vulcanite dentures. We now have the assurance of the I.C.I., makers of "Kallodent," that Steradent is equally satisfactory for this brand of Acrylic Resin Dentures when used as directed. Production of Steradent is still difficult, but we are doing our best to meet the demand.

Steradent
CLEANS AND STERILISES EVERY TYPE OF DENTURE

STERADENT LTD · HULL AND LONDON



COMPLETES the PERFECT PACK

Every packaging job is done better and more neatly with "DUREX" Cellulose Tape . . . . No heat or moisture required — you simply apply it with light finger pressure and it holds fast.

In rolls 72 yds. (2,592") long and in a range of widths.

"DUREX" Cellulose TAPE

Manufactured by
DUREX ABRASIVES LTD. ARDEN RD. ADDERLEY PARK BIRMINGHAM. 8.

instantly ADHESIVE

FILLING MACHINES

Advertiser requires filling machine(s) for use with liquid very liable to froth.

Manufacturers are asked to send particulars of machines for filling bottles (4-20 fl. ozs.), also cans from 1 qt. to 1 gallon.

High filling speeds are not sought for
There is no urgency for delivery
It is desired to place orders now

Please send catalogues (which will be returned if desired) to 1/795 C. & D. Office.

Steady sales and good supplies

Extensive advertising of D.D.D. Balm — in the national provincial and periodical press and the women's journals — is a constant reminder to a receptive public — the mothers of babies and of young children. That is why the sales of D.D.D. Balm are so steady. Supplies are now equal to demand — your wholesaler can deliver from stock.

D.D.D. Balm is specially prepared for sensitive skins. It does not sting, does not burn. It is white, non-greasy and does not stain. D.D.D. Balm quickly clears napkin rash, teething rash, chapping and chafing. D.D.D. Balm is safe and speedy for babies skin troubles.

TRADE TERMS: 16/- per dozen. Purchase Tax 2/8d. per dozen. Inclusive retail price 2/- per jar.

D.D.D. BALM

D.D.D. COMPANY LTD., 3 FLEET LANE, LONDON, E.C.4

TRIBUTOR FOR NORTHERN IRELAND—MESSRS. J. & W. C. GAW, 30 BANKMORE ST, BELFAST
TRIBUTOR FOR EIRE—MESSRS. HENRY FINN & CO., LTD., CENTRAL HOTEL STOCKROOMS EXCHEQUER STREET, DUBLIN

GRIP-TIGHT FEED TEATS

USED BY HOSPITALS AND WELFARE CLINICS THROUGHOUT THE WORLD

LEWIS WOLF LTD.
144, Oakfield Road, Selly Oak, Birmingham, 29

North-East Pharmacists send your Enquiries to

MIDDLETON & Co. Ltd. Boundary Rd., MIDDLESBROUGH

TELEPHONE 3207

SPEEDY DELIVERY IN OUR OWN VANS WHEREVER POSSIBLE

DRUGS, GALENICALS, PILLS and TABLETS, ANALYTICAL CHEMICALS and REAGENTS

Wholesale only

TAMPAX LIMITED
INTER-OFFICE MEMORANDUM

To Sales Dept. Date November
From Head Office URGENT

Please inform all stockists – sales of NEW Super Absorbent TAMPAX No 2 so great that demand temporarily exceeds supply. If wholesalers canno meet orders, request retailers to re-order in a week or two.

E.J.B.

ASMIDAR SPECIALITIES

at present available

PIPERAZINE (Asmidar)
Effervescent Granules
A uric acid solvent—3 oz. size.

GLUTONINE (Asmidar)
Strychnine Gluconate — Gives prolonged action with decreased toxicity.
Boxes 8 x 1 c.c. ampoules 0·002, 0·0035, 0·005 gm.

SULPHAZOL CREAM (Asmidar)
Containing 5% Sulphathiazole in non-greasy base. Indicated in cases of Impetigo and coccal infections.
Size—½ oz. Tubes.

ASMIDAR ANTI-RHEUMATIC OINTMENT
Non Greasy Non Staining Analgesic
Size—½ oz. Tubes.

ICHTHAMMOL B.P.
With high organically combined sulphur content.

Literature and fuller information on these Preparations can be supplied on request.

ASMIDAR LTD.
14 DOUGLAS STREET, LONDON, S.W.1
(Telephone: Victoria 5556)

THE ORIGINAL CHEMIST SEIDL
BACK AGAIN
G. O.
Lemon Flavoured and Sweetened
SEIDLITZ POWDERS
4d. Ordinary Strength — 5d. Extra Str
6d. Double Strength
32/- 40/- 48/- per Gross
plus Purchase Tax

MILNER & COKE L
JOHN PENN STREET
LEWISHAM - S.E.13

P.A.T.A.

Sodium Alginate★

IS BEING SUCCESSFULLY USED AS A

THICKENING AGENT

EMULSION STABILISER

GELLING MEDIUM

in

PHARMACEUTICALS AND COSMETICS

Toothpaste, oil in water emulsions, hæmostatic dressings and industrial barrier creams.

★MANUCOL *is the registered trade name of Albright & Wilson's sodium alginate*

ALBRIGHT & WILSON LTD *Chemicals*

49 PARK LANE, LONDON, W.1 *GROsvenor 1311*

WORKS: OLDBURY AND WIDNES

TBW 33 AP

EDME "Autumn Sun"

EXTRACT OF MALT WITH COD LIVER OIL

– builds winter sales

" The butterscotch flavour " will again be in favour. Last year's customers will come again for more, and they will recommend others to " Autumn Sun." National advertising will bring in the season's new business to stockists, for whom there is this FREE and

ATTRACTIVE DISPLAY

in the form of a full-colour, self-standing showcard (only 9½ x 8½ inches) holding a 1-lb. actual jar with its attractive label.

Retail prices are right and trade terms generous. On P.A.T.A. list.

EDME LTD., IMPERIAL HOUSE, REGENT STREET, W.1

Telephone REGent 5563-4. 'Grams " EDME," Piccy London. Works: MISTLEY, ESSEX

EVERY TIME YOU SELL A LARGE SIZE CARTERS. 1/- FOR YOU!

YES, on every 3/5 size Carters that you sell you can make 1/- for yourself. You'll not find it difficult either, because the customer saves 10d. by buying the large size. He gets 5 extra pills, too. Send your order now for large-size Carters Little Liver Pills and stop losing easy profits! Supplies are readily available.

ORDER YOUR CARTERS LITTLE LIVER PILLS *Now*
from THOMAS MARNS LTD., 2 Caxton Street, S.W.1

Besorbon medicinal snuff is in demand all c year round as a preventive remedy for H Fever, Colds and Catarrh. Put this attracti display box on your counter and it will make i own sales. Supplied with all orders for doz lots—from all registered wholesale chemis

KEMSALES LT
20 EASTCHEAP, LONDON

New showcard for Bemax Tablets

A busy chemist cannot always spare the time to answer all the enquiries of interested customers.

Our new showcard for Bemax Tablets saves much time and explanation. What is more, IT MAKES SALES.

The demand for Bemax this winter will no doubt again be greater than the supply. But the introduction of Bemax Tablets means that no one need go short of vitamin B merely because they cannot get Bemax.

This theme in our public advertising will pave the way to greater sales of Bemax Tablets which are available in cartons containing 60 or 120 tablets retailing at 1s. 6d. and 2s. 6d. respectively.

Trade discounts 33⅓%.

Minimum parcel of 1 doz. 1/6d. and 1 doz. 2/6d. sizes.

Vitamins Limited

Disp. Dept. C. D., Upper Mall, London, W. 6

There is a Bemax Tablets showcard for you on request (11" x 7"). Ask our representative — or write direct to us.

THE SAFE REMEDY FOR 73 YEARS

for coughs and colds

OWBRIDGE'S

Again—for the 74th year—Owbridge launch a new, arresting advertising campaign in the National Daily, Sunday, and Provincial Press—in Magazines—on Poster Sites—and Underground Railway Carriages to support the sales of this famous remedy. New window and counter display material is available to tie up with this national campaign.

PRICE 1/3 INCLUDING PURCHASE TAX

THERAPEUTIC PRODUCTS

Why Dentists Prescribe Vince

VINCE powder is a palatable, oxygen-liberating antiseptic, containing sodium perborate. A teaspoonful of VINCE in half a glass of warm water provides a 2 per cent alkaline solution suitable for dental, oral or nasal hygiene. VINCE is prescribed and recommended by both dentist and doctor alike because

1 it is efficacious in the oxygen treatment of Vincent's anaerobic gingivitis ("trench mouth"), Vincent's angina (acute necrotic stomatitis), pyorrhoea alveolaris, halitosis and is an efficient post-operative antiseptic and bactericide. Most oral pathogens are Vince-sensitive ;

2 it is alkaline in reaction and non-irritating to the tissues ;

3 it cleans and deodorizes infected cavities; it is reliably recommended for daily oral hygiene and for its healing influence on damaged tissues

Literature and samples supplied on request.

AGAROL - ALKA-ZANE - ANUSOL - CAL-BIS-NATE - VEGANIN - VERACOLATE - VINCE

Sole Distributors for Vince Laboratories Ltd.

William R. WARNER and Co. Ltd. OMNIS ORBIS WARNER POWER ROAD, LONDON, W.4.

If You're out of One Recommend the Other

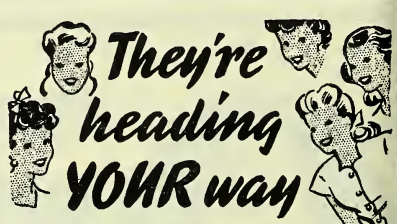
In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Linctus is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints and mentions their prices.

INTERNATIONAL LABORATORIES LTD.
1/3 Smedley Street
London, S.W.8

PATA



. . . . these suntanned, Brontanned members of the fair sex.

Back from holiday and in search of more of the delightful Brontan products.

They'll be after the Ann Rose Twins—Vanishing Cream and Complexion Powder. The cream is beautifully soft . . . the perfect foundation for Ann Rose Powder. Both are delicately scented and there are four flattering shades.

Are you well stocked and displaying the Twin packs?

Retail prices—cream 2/1d. incl. P.T. powder 2/9d. and 4/- incl. P.T.

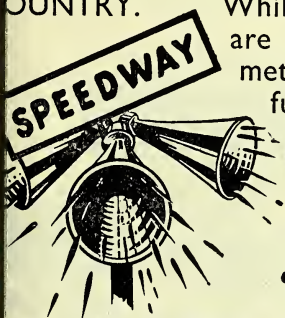
BRONTAN (Regd.), Ltd.,

1 BROAD STREET BUILDINGS, LIVERPOOL STREET, LONDON, E.C.2

Phone : BIShopsgate 6383

'ASPRO' ACCELERATES BUSINESS

" More display means more sales, means more bonus—and so the wheel turns "—that was one chemist's way of describing ow the benefits start mounting up when you display 'ASPRO'. splaying 'ASPRO', in fact, **ACCELERATES** business—CREATES USTOM for other lines, too, and so speeds-up turnover and creases profits. Give 'ASPRO' prominent display and you mediately get the full results of THE MOST ENTERPRISING ND ACTIVE ADVERTISING CAMPAIGN GOING ON IN THE OUNTRY. While well-tried methods of 'ASPRO' publicity are being sustained and expanded, every new method which proves of value is used to the full. The result is that



'ASPRO' *is selling to a* GREAT POST WAR PUBLIC

undreds of thousands of speed-ay and football supporters are earing the weekly 'ASPRO' rogramme ; millions of cinema-ers are seeing the 'ASPRO' m. Putting in the window a pro-inent reminder that YOU stock SPRO' is the fastest way of making ew and permanent customers.

Made by ASPRO LTD., Slough, Bucks

P.A.T.A.

Yes! prompt delivery of

WE can now promise quick delivery of Juno-Junipah in reasonable quantities. The constantly growing demand is at last equalled by our greater production and your orders will have immediate attention.

JUNO - JUNIPAH

The Woman's Own Health Salts

THOMAS MARNS LTD.
2a Caxton Street, London, S.W.1
Phone WHitehall 6310 (A

Scylla
pure soap Shampoos
DARK and FAIR
6d. each 3/- dozen + ⅓rd Tax

★

Scylla
RINSES
AUBURN, BRUNETTE and GOLDEN
Each packet contains 3 rinses
9d. per packet of 3
3/- dozen packets + 100% Tax

★

Sole selling agents
JOHN KNOX
(Stoke-on-Trent) Ltd. JAYNOX WORKS, KING ST., FENTON, STAFFS,
(Midland) Ltd. 36/38 DEAN ST., BIRMINGHAM, 5

SECOND TO NONE
Malt Extract Tablets
Sustaining sweet that dissolves in the mouth. Supplied in counter display boxes of 2 doz. RETAIL (INC. TAX) 7½D. PER TIN
ANDERSON RICHARDS & CO. LT
37 Eastcheap, London, E.C.3.

P.A.T.A.

Phillips'

DENTAL MAGNESIA Regd.

Toothpaste

1/3 AND 2/2

The attention of the Trade is drawn to the maximum permitted retail prices of Phillips' Dental Magnesia, namely 1/3d. and 2/2. The charging of any higher price is a direct infringement of the Prices of Goods Act, and accordingly can involve very serious consequences.

TRADE TERMS

To the generous standard margin of profit, it is possible to add, by the booking of quantity orders, the following additional discounts, in consideration of 14 days window or counter display:

£3 assorted order* - - - - 5%
(obtainable through your wholesaler only)
£6 assorted order* - - - - 12½%

★ 'Milk of Magnesia' Tablets are now in unrestricted supply and may be included in your order to qualify for these discounts.

E CHAS. H. PHILLIPS CHEMICAL CO., LTD., 179 ACTON VALE, LONDON, W.3.

An Old Favourite!

BLAKEY'S MALTED OATMEAL

"Cooks in ONE minute"

10d. PACKETS - **1/10** TINS

Famous Fifty Years
Still Unbeatable
FOR
Babies & Mothers
Invalids & Others

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BLAKEY'S FOOD CO. LTD.
LINCOLN
TEL. 699

Dr. Weil's Medical Products Ltd., have pleasure in announcing that :—

BRONCHOVYDRI

(1945) LTD.

have appointed them sole distributors for their Asthma Inhalant and other Products.

Please address all enquiries to :—
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Barnes, S.W.13

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All 1" Prestoband is now packed in this attractive outer. Display it, and sell more Prestoband! Each outer contains a supply of demonstration sample strips.
Prestoband is backed by extensive National Advertising, and offers you generous trade terms. We are helping you

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THE ANTISEPTIC SELF-ADHESIVE BANDAGE

Sole Distributors for Gt. Britain & N. Ireland:
Fassett & Johnson Ltd., 86 Clerkenwell Rd., E.C.1

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THE MEDICATED PASTILLES

FOR VOICE, THROAT & CHEST

TEASDALE & CO. LTD., CARLISLE

MANOIDS
NEVROIDS
URICURE TABLETS
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THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY
and all Sundries Houses

Supplied only through Chemists—

CONCENTRATED OXO

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Sold only through Chemists.

Concentrated Oxo is invaluable both as a restorative beverage and for adding the rich flavour of beef to appetite-creating dishes. Being unseasoned it is of particular value in invalid dietary.

Concentrated Oxo is supplied carriage paid in jars of 2 oz.—1/9d., and 4 oz.—3/2d., less a discount of 25%, and sales are backed by regular advertising in Nursing and Medical publications,

Concentrated Oxo has a high niacin content.

CONCENTRATED OXO

TO MEET THE COMING WINTER

. . . *your co-operation please*

Serocalcin is now well known, both for the prevention and treatment of colds. From its past success there is every indication that the demand to meet the coming winter will be very great.

We are anxious to give you the best delivery service possible under existing conditions, so please look ahead, place your orders early, and maintain your stocks at a reasonable level throughout the season.

FOR THE PREVENTION AND TREATMENT OF COLDS

SEROCALCIN

Pharmacists are reminded that orders and enquiries for Serocalcin should now be addressed to J. C. Eno Limited, Watford, Herts. Telephone Watford 7761.

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The CHEMIST AND DRUGGIST SUPPLEMENT

T Supplement is In-
se d in every Copy of
T Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

NOVEMBER 8
1947

CLASSIFIED ADVERTISEMENT TARIFF

USINESSES for DISPOSAL, BUSINESSES and AGENCIES VANTED, GOODS for SALE (value £5-£50), PARTNERSHIPS, ATENTS, PREMISES to LET, for SALE or WANTED, TUATIONS OPEN	8/6 for 36 words or less, 3d. for each additional word.
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n view of existing paper shortage advertisements should be sent as early as possible accompanied by remittance to

HE CHEMIST AND DRUGGIST, 28 ESSEX STREET, STRAND, LONDON, W.C.2.

OCKTAKING FOR OME-TAX PURPOSES SALE VALUATION

OVER 25 YEARS' EXPERIENCE AT YOUR SERVICE

e	Just to yourself
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esults, with	Reliable workmanship
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xpert	Advice
traightforward	Terms
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Chemists own stock sheets priced.

sults available 7 days after valuation.

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Special announcement by

ORRIDGE & COMPANY LTD

Owing to the fact that Toilet Goods, Cosmetics and goods bearing 100% Purchase Tax are now in more or less plentiful supply Chemists' stocks have, during the last six months, risen enormously.

In many instances where we have undertaken stocktaking for many years recent results have been almost astounding. Not only have stocks risen but overall Gross Profit percentage has fallen considerably. This is due mainly to the fact that articles bearing 100% Purchase Tax are being sold to a greater extent than formerly. It is not unreasonable to assume that Income Tax Inspectors will need convincing regarding the fall in profits and one of the most conclusive methods of achieving this end is by proper and complete stocktaking.

We employ a fully qualified staff of valuers, all of whom have been with us for years. They carry out the work accurately and expeditiously and the even working of the Pharmacy is not in any way disturbed. Figures are usually available within 14 days of the completion of the inventory but in cases of urgency the result can be expedited. A considerable amount of detail is supplied with the results and care is taken to keep Stock and Purchase Tax separate.

We are ready to undertake this most important work for Chemists in all parts of the country on reasonable terms which will be sent on request.

184 STRAND, LONDON, W.C.2

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagement Order, 1947.

SITUATIONS OPEN

8/6 for 36 words or less, 3d. for every additional word

RETAIL (HOME)

A QUALIFIED ASSISTANT required, male or female, No N.H.I. No Sunday or holiday duties. Living accommodation can be arranged if desired. Please state usual particulars. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

BRISTOL. Vacancy for assistant for N.H.I. dispensing and counter. Middle-aged. Easy hours and comfortable situation. Usual particulars, Butlers, 42 Old Market St.

CHEMISTS' ASSISTANTS (ladies) wanted for clerical work in the N.H.I. checking bureau and stock-pricing departments. Apply National Pharmaceutical Union, 4-5 Queen Sq., W.C.1.

ELDERLY PHARMACIST required for a good-class West End pharmacy. No dispensing, light duties and comfortable hours. Apply Box 2/53, C. & D. Office.

ESSEX (Near London). Competent pharmacist required to manage a central branch pharmacy with fair N.H.I. dispensing and busy counter trade. Must be good at staff control, stockkeeping and display. Adequate salary, excellent living accommodation available. Apply 2/135, C. & D. Office.

HOLMAN, HAM & CO., LTD., have a vacancy for a good all-round pharmacist as manager of a business in North Devon. Convenient accommodation on the premises. Applications, please, with as full details as possible to Secretary, 1 Old Tiverton Rd., Exeter.

L. ROWLAND & CO., LTD., of Wrexham, require a qualified manager for an old-established branch close to Wrexham. The position offers a permanency with future prospects of advancement within the firm to a suitable applicant. A temporary home (flat) on main bus route could be offered, if desired. Please reply, giving full details and stating remuneration required, to Mitre Buildings, Brook St., Wrexham.

LADY PHARMACIST required as manageress for good-class West End hotel pharmacy. Mainly counter work; no late duty and Saturday half-day. Good opportunity to gain West End counter experience. Apply, Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, S.W.1. Phone Victoria 2201.

LIVERPOOL. Experienced qualified manager required for busy city pharmacy in main thoroughfare. This is a permanent and progressive position offering considerable scope to an applicant having a sound knowledge of chemists' modern business methods. Congenial working hours and conditions. Competitive salary. Apply with usual particulars, to Leyland, 210 Queens Drive, Liverpool, 15.

LOCUM, qualified, lady or gentleman, required, November 24, for country business. Good assistance. No half-day or Sunday duties. Please send particulars to Huggins & Gee, Ltd., Wainfleet, Skegness, Lincs.

LONDON, W.11. Manager (qualified) urgently required for working-class business, busy N.H.I. and brisk counter. Suitable man will be well paid and well looked after. No living accommodation. 2/138, C. & D. Office.

LONDON, W.1. Roberts & Co., 76 New Bond St., require pharmacist for dispensing counter. Permanent position with good prospects of advancement. Hours, 9-6; Saturday, 9-1. Please write, stating age, experience, references, salary expected and when available.

MIDDLESEX, N.W. Qualified manager required for busy suburban branch. Good salary with excellent future prospects. Apply 2/137, C. & D. Office.

M.P.S. required immediately by Norwich Frie Societies Medical Institute. Commencing sa £500 p.a. Applications to Secretary, 11 Lady Norwich.

ORRIDGE & CO., Employment Agency, 184 Str W.C.2. Temple Bar 9212/3. Branches at So ampton and Birmingham. Enquiries invited f all employers seeking staff. Many pharmacists unqualified assistants available for retail and wh sale. Representatives also requiring situati Reasonable terms. Write to 184 Strand, W.C.2 particulars.

PHARMACIST REQUIRED, Coventry. Good dispensing, photo and toilet business. City ce Pleasant conditions. Short hours. No Sunda half-day duties. Good salary. Accommod available two months. Perry & Sturman, Hertford St., Coventry.

PHARMACIST required, Coventry. Good-class pensing, photo and toilet business, City ce Pleasant conditions, short hours, no Sunday or day duties. Good salary. Perry & Sturman, Hertford Street, Coventry.

POPLAR. Manager (qualified) required for pharmacy in Poplar. Good salary offered to getic man with experience. Permanency with prospects. Apply 2/136, C. & D. Office.

PORTSEA ISLAND CO-OPERATIVE CHEMI LTD., require qualified pharmacy branch man Permanency, excellent prospects, Superannu Fund and T.U. conditions. Small flat avail Applications in writing, stating age, qualifica and experience, and salary required, to the Ex tive Officer, 110 Fratton Rd., Portsmouth. Enc envelopes "Pharmacist."

QUALIFIED CHEMIST required for high-class p macy; good wages; no half-day or Sunday du Apply with references, to Managing Dire Loveitt & Bones, Ltd., Hertford Street, Cove

QUALIFIED LADY OR GENTLEMAN ASSIST required for good class dispensing business. A with particulars as to age, experience and salar quired to Wood, Chemist, High St., Windso

ROCHDALE. Manager, permanent or locum, quired for branch shop. Lady or gentleman. A by letter, Superintendent, Mercer's, Ltd., 265 ham Road, Rochdale, Lancs.

SENIOR LADY ASSISTANT with first-class West toilet experience to take charge of toilet departm having all best class agencies. Permanent full- position; must be a good saleslady and able to trol staff. Apply Manager, Bird & St Chemists, 1 Marble Arch, W.1.

SUPERINTENDENT chemist and optician requ Sales of department for year ended June £14,055. Membership 8,519. N.U.C.O. scal wages. Applications, stating age, experience, q fications, present position and when free, to r the General Manager & Secretary, Sowerby Br Industrial Society, Ltd., 60 West St., Sow Bridge, not later than November 11th.

THE Royal Arsenal Co-operative Chemists, have vacancies for qualified and unqualified p macists at their branches in South-East and So West London. Good opportunities for promo and holidays with pay. Apply in writing, sta age, experience and salary required to the Manager, Royal Arsenal Co-operative Chem Ltd., 113 Powis St., Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS invite applica from pharmacists for vacancies as qualified man and assistants for branches in all parts of country. Good conditions of employment offered, including a superannuation scheme, there are excellent prospects for any pharmacist ability and energy to make a successful career the company. Convenient interviews will arranged to suit applicants. Letters of applica stating district preferred (if any) should be addre to Retail Staff Manager (Drug), Timothy Whit Taylors, 70 Vauxhall Bridge Rd., London, S.

ALIFIED ASSISTANT required by high-class ondon chemists for dispensing and counter Permanency. Apply, stating salary required ll particulars, to D. L. Lewis, Ltd., 36 Green, Ealing, W.5.

QUALIFIED PHARMACIST required as first in large modern pharmacy. Permanent with superannuation. Good salary, 44-hour nd other advantages. Qualified tuition and nce offered in optics and chiropody if de- Apply giving usual particulars and salary d to Peterborough Co-operative Chemists, ark Rd., Peterborough.

WHOLESALE

DON FIRM of manufacturing chemists have cy for a qualified woman chemist as packag- nager, responsible for the technical super- of packaging and the control of female mainly employed on conveyor tables. A dge of packaging machinery an advantage essential. Salary £450 per annum. Write, full details of training and experience, to C. & D. Office.

S wanted for quick selling lines with steady . Liberal commission offered to men with hed connections in wholesale and retail phar- Replies to 2/133, C. & D. Office.

CELLENT opportunity offers for a represen- with an established connection with retail s on the South Coast, with wholesale house ing many regular customers on the ground. commission, expenses. Preference given to ner. 2/107, C. & D. Office.

TICAL. Junior assistant required in analy- department. Some experience desirable in ation of pharmaceutical products. Write, full details of education, business career, etc., Works Manager, Potter & Clarke, Ltd., Fair- St., London, E.1.

ANT CHEMIST required for production con- nd research on pharmaceuticals. Applicants hold the B.Sc., B.Pharm. or equivalent quali- ns. Previous experience in the assay of vita- products by physical methods an advantage. ations, giving details of qualifications and pre- experience, etc., to the General Manager, n Products, Ltd., Trading Estate, Slough,

ANT WAREHOUSE MANAGER (qualified) holesale manufacturing chemists in Scotland. us experience of wholesale trade desirable but sential. Write Box 2084, Whites, Ltd., 72/78 St., London, E.C.4.

ANT required for works laboratory of small aceutical manufacturers, North London. lay week. Applications, stating full particulars perience, age, salary, of persons willing to be d for specialised work are invited to 1/922, D. Office.

OINTMENTS, solidified brilliantine and ol. Agent salesmen required for most parts reat Britain and Northern Ireland. Apply . Stokes & Co., Ltd., P.O. Box No. 226, l.

OUGHS WELLCOME & CO. Applications are d from pharmacists for appointment to the sentative and office staffs of the veterinary rtment. Applicants should be under 35 years of nd possess a good sound knowledge of veterin- herapeutics. Successful applicants will be re- d to take up residence in that part of the ry where their services will be utilised. These ons are permanent, progressive and pension- Full details of experience and qualifications, her with a recent photograph, if available, d be sent to the Manager, Veterinary Depart- , Burroughs Wellcome & Co., 12 Red Lion Sq., ion, W.C.1.

COPYWRITER, free lance or spare time, required by dental manufacturers for ethical literature. 1/989, C. & D. Office.

FIRST-CLASS REPRESENTATIVE for Manchester area and Potteries, well-known manufacturing and wholesale chemists, car owner preferred. Established territory. Salary, commission and expenses. Permanency. Applicants should be under 40. State fullest details in first instance. 2/126, C. & D. Office.

JOHNSON AGENCIES (PROPRIETARIES), LTD., Horsham, require full-time representatives in the following areas to complete their sale force: (1) Lancs, Westmorland, Cumberland, Isle of Man; (2) Wales, Cheshire, Shropshire, Staffordshire; (3) Hants, Oxford, Northants, Berks, Bucks, Herts, Bedfordshire.

MANUFACTURING CHEMISTS (near Liverpool) have a vacancy for an assistant chemist in their laboratory for analytical and experimental work. Give full details of age, experience, qualifications and salary required to 2/68, C. & D. Office.

MANUFACTURING CHEMISTS in London have a vacancy for a senior executive with wide representative and detailing experience, and above all else, with enthusiasm, who could take charge of the training or representatives and selling staff. The position is one of considerable responsibility, offers prospects and is pensionable. Applicants should apply, in confidence, enclosing recent photograph, if possible, and giving fullest particulars of experience, stating age and present salary, to Box A.177m, L.P.E., 110 St. Martin's Lane, W.C.2.

MANUFACTURERS of high-class and most attractively presented pharmaceutical specialities in popular demand have vacancies for capable and conscientious representatives or sole agents. Existing accounts transferred. Territories: 1, West country; 2, Whole of Wales and Hereford; 3, Lancashire and Cheshire. Large incomes and splendid prospects to men not afraid of hard work. Established connections with chemists, stores, and Co-ops, and own car essential. Send fullest details in confidence and prior to interview. Incomplete applications cannot be considered. 2/144, C. & D. Office.

MANUFACTURING CHEMISTS require qualified (pharmaceutical) assistant. Advertisers specialise in production of injections and the person engaged would be required to act as general assistant to chief pharmacist and to deal with matters relating to processing and filling. Salary £425 p.a., please give particulars of career to date. Write 2/143, C. & D. Office.

MANUFACTURING CHEMISTS, N.W. London, require the services of an energetic and experienced pill maker. 5-day week. Write, giving details of age, experience and salary required. 2/112, C. & D. Office.

OLD-ESTABLISHED MANUFACTURING AND DISTRIBUTING CHEMISTS require experienced and energetic representative, preferably ex-serviceman, for London area. 2/127, C. & D. Office.

PERSONAL SECRETARY required by managing director of well-known proprietary house. Need not be qualified, but experience of medical or pharmaceutical professions and knowledge of shorthand and typewriting and business methods are essential. Age should be under 35, and applicant should be able to take active interest in wide responsibilities. Write full details to 2/114, C. & D. Office.

PHARMACIST (male) required to supervise and control general galenical manufacture in laboratory of West London firm. Manufacturing experience an advantage. 5-day week. Reply giving full particulars and salary required to 2/146, C. & D. Office.

PHARMACISTS required by one of the best known, progressive, ethical manufacturing houses, to act as representatives. Must reside in or near the following cities: 1, Liverpool; 2, Manchester; 3, Birmingham; 4, Sheffield; 5, Leeds; 6, Glasgow. Excellent prospects for the right men. 2/123, C. & D. Office.

PROMINENT MANUFACTURERS of ethical pharmaceutical products require pharmacists to act as representatives in the following territories:—(a) Cardiff. (b) Norwich. (c) Middlesbrough. (d) Dundee. The positions are progressive and offer scope for men of ability. Previous experience is not essential. Applicants, preferably resident in these areas, and who should not be over 35 years of age, should send particulars to 2/161, C. & D. Office.

QUALIFIED CHEMIST, B.Sc. or A.R.I.C., required for research laboratory of a firm of manufacturing chemists in West London. A pharmaceutical qualification would be an advantage although not essential. The position is a permanent one. Commencing salary £450. Write, giving full details, to 2/124, C. & D. Office.

REPRESENTATIVES required by manufacturers of high-class quick selling lines. Must have good connections to chemists. All areas. Generous commission. 1/798, C. & D. Office.

REPRESENTATIVE, part-time, required, calling on chemists and stores in London and district, to handle additional lines in medicinal tablets and pills on generous commission terms. Write 2/104, C. & D. Office.

REPRESENTATIVE required to sell cosmetics to wholesale sundriesmen. Commission generous and expenses. 2/105, C. & D. Office.

REPRESENTATIVE required for the London area to sell cosmetics to the wholesale trade. Reply in full details, stating other lines carried, to 2/106, C. & D. Office.

REPRESENTATIVES, full time, with established connections among chemists, hairdressers, departmental stores and Co-operative societies, required by manufacturers of proprietary lines and raw materials, to take over existing clientele in Yorkshire, Lancashire and Lincolnshire. Must have car. Salary and commission basis. Reply in confidence, with full particulars, to 2/118, C. & D. Office.

REPRESENTATIVES required to handle an attractive range of pharmaceutical products in the following areas: Durham, Northumberland, Gloucester, Wiltshire, Somerset, Dorset and Hampshire. One with a good connection among the allied trades in these areas preferred. Remuneration by salaries, expenses and commission. Apply with fullest particulars, to Kempac, Ltd., Bradford Rd., Batley, Yorkshire.

REPRESENTATIVES required for the following areas: West London, Hampshire, Dorsetshire, Northumberland, Durham, to call upon doctors, hospitals and chemists in connection with high-class ethical pharmaceutical products. Applicants must reside on the territory. Apply 2/20, C. & D. Office.

REPRESENTATIVES required on commission basis in all parts of U.K. for strongly advertised speciality with widest possible appeal. Generous commission. Exceptional opportunity to get in on the ground floor with a new line that is making rapid headway. Write, giving details to 1/960, C. & D. Office.

REPRESENTATIVES required for all territories including London, calling on chemists, stores, Co-ops., etc. Good commission basis. State area covered and other lines carried. 2/150, C. & D. Office.

REPRESENTATIVES required, already calling on chemists and stores in London and certain provincial areas, to handle nationally advertised products on a liberal commission basis. Write, giving details of territory covered. 2/40, C. & D. Office.

REPRESENTATIVE to contact retail chemists in the Midlands required by manufacturing chemists of high standing. Good salary and expenses will be paid to the right applicant. Give full details of experience, age and salary expected. 1/962, C. & D. Office.

RESEARCH CHEMIST or analyst. Elementary tuition and practical guidance, with special reference to oils and fats, required in the Birmingham area few mornings, afternoons or days a week. 2/155, C. & D. Office.

SALES DEPT. A capable assistant to sales ma required by London manufacturing chemists. possess flair for handling queries and all sale respondence together with methodical office ro State age, full details of previous experienc salary required, to 2/154, C. & D. Office.

TABLETS. Experienced sugar coater requir manufacturing chemists, N.W. London district, general knowledge of coating. 5-day week. stating age, experience and salary required, 2 C. & D. Office.

TABLET ROOM FOREMAN, capable of charge of department, required. Apply wit particulars to Managing Director, Hirst Broc Hirst, Ltd., Sheepscar Works, Leeds 7.

THORNTON & ROSS, LTD., Linthwaite, Hue field, have a vacancy for a chemist. Expe necessary in the testing and development of maceutical products.

TRAVELLERS wanted on commission for spl repeater. 2/140, C. & D. Office.

UNQUALIFIED ASSISTANT required for ph ceutical speciality manufacture by London mar turing chemists. Apply, giving full particula 2/96, C. & D. Office.

UNQUALIFIED CHEMIST (male) to be train take charge of ampoule filling department; week. Pension scheme. Would suit ex-Service 2/103, C. & D. Office.

WHIFFEN & SONS, LTD., Aldersgate Che Works, Carnwath Road, Fulham, London, S. require experienced representative for London to call on wholesalers, manufacturers and shi merchants. Knowledge of fine chemical trade tial. Age 30-40 years. Apply by letter only, st qualifications and salary required, to the Secre

XMAS representatives and agents requiring C mas novelties and gift lines are invited to comm cate, giving particulars of territory. BCM/E HEURE, W.C.2.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large com operating in the Middle East. Will be empl either on development or process work and sh be prepared initially to undertake shift work process plant; should possess B.Sc. degree preferably have had subsequent industrial ex ence. Age not over 30. Single men prefer Starting salary not less than £500-£600 p.a. acc ing to qualifications, together with a generous al ance in local currency, also free furnished bach accommodation, free pasages out and home; medical attention; kit allowance; provident benefits. Applicants must be of full British par age and should write stating age, qualifications experience, to Dept. F.18, 162/462, C. & D. Of

PHARMACEUTICAL HOUSE, with small but imp ant business in South America, requires manag director for Argentine. Experience in propaga and sales of pharmaceuticals essential; knowledge Spanish an advantage. Good salary, according qualifications and experience. Apply 2/163, C. & Office.

PLANT CHEMISTS urgently required for pro plant operations by large company operating in Middle East. Applicants need not be graduates should have had a chemical training up to In B.Sc. or National Certificate Standard with exp ence of shift work in either a gas, coke oven chemical works. Age not over 30. Salary in ster between £540 and £600 per annum plus gener allowances in local currency, with free furnish bachelor accommodation, passages out and hon medical attention, also kit allowance and provid fund benefits. Apply stating age, qualifications a experience, etc., to Dept. F.22, 162/461, C. & Office.

SITUATIONS WANTED

or 18 words or less, 1d. for every additional word

RETAIL (HOME)

LIFIED MANAGER. Large, high-class cosmo-an pharmacies; also wholesale, home, export, linguist; excellent references. 2/159 C. & D. e.

IL AND WHOLESALE DISPENSER, unquali-over 51 years of age. Woodford area. Allen, nsford Rd., Woodford Green.

OCUMS SEEKING ENGAGEMENTS

RMACIST available for locum work in London ome Counties. West End and suburban ex-nce and expert photographic knowledge A. member). Will do single days if required. y moderate. Write or wire Edwards, 42 ington Rd., Worcester Park, Surrey.

NG PHARMACIST, recently demobilised, free dertake locum work in the London area. Per-ncy considered. Excellent references. 2/117, D. Office.

WHOLESALE

ERTISER (unqualified) with sound experience ffice and factory control, particularly with d goods, seeks any managerial position with essive London house. Or would organise depot rovincial firm. Ability and initiative to influ-both output and quality. Box C/210, Strand e, London, W.C.2.

ERTISING MANAGER (originator of numerous nt national and colonial campaigns for pro-ry lines, experienced ideas, lay-out and copy requires position with London manufacturing ists. Part-time entertained. Free end of mber. 2/142, C. & D. Office.

ANICAL drug expert, sound knowledge values, seeks responsible post. 2/109, C. & D. Office.

METIC chemist improves your preparations to up-to-date formulas, modernises packings, also duces lines, especially suitable for export. , C. & D. Office.

, energetic man with first-class references and sive experience in retail desires position as sentative with reputable house. 2/116, C. & ffice.

ESENTATIVE (33), residence West Riding/ border, seeks change. Car owner. 2/160, D. Office.

ESENTATIVE. Sound connection with chemists idlands, Cheshire, Yorkshire, North-east Coast, s salary and expenses post. All or part of this d. 2/100, C. & D. Office.

S MANAGER (M.S.M.A.) desires change. Suc-l record in marketing and selling products in naceutical field, Home market. 2/97, C. & D. .

S MANAGER with successful selling record and tive experience over the past 20 years; special-knowledge of marketing, selling and distribu-through the chemists' trade and chain stores; ughly conversant with budgetary control, sales asting, sales organisation, training of sales staff, t practice and all phases of sales management. , C. & D. Office.

KSHIRE representative. Successful selling record gst chemists and stores, etc., is open to con-additional lines. C.F. or branded lines will e special consideration. Commission basis. ine representation assured. Own car. 2/99, D. Office.

NG CHEMIST'S ASSISTANT, unqualified, well ienced manufacture of cosmetics, managing y labour and sales, seeks position. All parts orld considered. 2/130, C. & D. Office.

APPOINTMENTS

ASSISTANT PHARMACIST

Oldchurch County Hospital, Romford.

Annual salary—£370 to £450.

Modern, acute, general hospital of 828 beds with specialised departments, within ten minutes' walk from Romford Station and half-hour rail journey from London.

Applications, indicating age, qualifications, appointments held and enclosing testimonials (copies) should be sent to Clerk of the Essex County Council, County Hall, Chelmsford, as soon as possible.

CORPORATION OF WILLESDEN

APPOINTMENT OF PHARMACIST

Applications are invited for the following appointment:—

ASSISTANT PHARMACIST. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450.

The work will be carried out at the hospitals and health centres and previous experience will be taken into consideration in determining the commencing salary.

The appointment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Superannuation Act, 1937, to the regulations governing officers of the Council and to a satisfactory medical examination.

Off duty is granted one Saturday morning in every three.

The candidates appointed will work under the direction of the Chief Pharmacist.

Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist" not later than 22nd November, 1947.

R. S. FORSTER,
Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:—

ASSISTANT CHIEF PHARMACIST required by Government of Malayan Union for Medical Department, Singapore, for initial tour of 3 years with prospect of permanency. Commencing salary according to age and war service in scale $4,800 a year by annual increments of $300 to $9,600 a year (Malayan Dollar=2/4). Outfit allowance £60. Cost-of-living allowance $10 a month, plus 20-30 per cent. of salary according to dependants. Children's allowances from $50 to $70 a month. Free passages. Candidates, not over 35, must have a University degree, either B.Pharm., or B.Sc., with Ph.C. Diploma of Pharmaceutical Society in addition. Duties will include teaching in the Department of Pharmacy, College of Medicine, Singapore, assisting in the Administration of the Government Medical Store and in the administration of the laws controlling the Practice of Pharmacy. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for Colonies, 4 Millbank, London, S.W.1, quoting M/N/18288 on both letter and envelope.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for HAREFIELD COUNTY HOSPITAL, Harefield, Middlesex. (Registered essential), J.N.C. (Hosp. Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment; subject to medical examination. Application stating age, quals., exper., with copies of up to 3 recent testimonials to MEDICAL DIRECTOR at Hospital, IMMEDIATELY. No forms (quote C 292 C D).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall, S.W.1.

ROYAL NORTHERN HOSPITAL

HOLLOWAY, N.7.

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. Scale. Applications, giving full particulars and accompanied by recent testimonials, should be sent to the undersigned.

GILBERT G. PANTER.
Secretary.

SOUTH LONDON HOSPITAL FOR WOMEN

CLAPHAM COMMON, S.W.4.

JUNIOR ASSISTANT PHARMACIST (woman) required. Salary according to experience or Joint Negotiating Committee (Hospital Staffs) scale. Applications, stating age, qualifications and experience (if any) and accompanied by testimonials, should be sent to the Secretary, as soon as possible.

WESTMINSTER CHILDREN'S HOSPITAL

Assistant Pharmacist (M.P.S.) required for Westminster Children's Hospital. J.N.C. Scale. Previous hospital experience not essential. Apply, House Governor, Westminster Hospital, St. John's Gardens, S.W.1.

THE NORTH OF ENGLAND JOINT INSURANCE (PRESCRIPTIONS) COMMITTEE invite applications for the position of SUPERINTENDENT. Preference will be given to a qualified chemist. Salary £500 to £600 per annum (or £550 to £650 in the case of a qualified chemist), by increments of £25. Appointment subject to membership of the Insurance Committee Officers' Superannuation Fund.

The person appointed will be required to devote the whole of his time to the duties of the office.

Personally canvassing the members of the Committee is prohibited, and the Committee will declare any candidate infringing this rule to be disqualified.

Applications, stating age, experience and qualifications accompanied by not more than three recent testimonials and marked "Superintendent," should be addressed to The Secretary, North of England Joint Insurance (Prescriptions) Committee, 20 New Elvet, Durham, and be received not later than the 20th November, 1947.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:—
KINGSTON COUNTY HOSPITAL, Wolverton Avenue, Kingston-on-Thames.
ST. HELIER COUNTY HOSPITAL, Carshalton. Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive.

Applications in writing, stating age, qualifications, and experience, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the appropriate Hospital.

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REPRESENTATIVE calling on chemists and store in the London area, requires additional lines, preferably small, good quality products only considered 2/120, C. & D. Office.

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MANUFACTURERS' Agents Association (C. & D. of Rosebery House, 8 Breams Bldgs., E.C.4, supplies free lists of agents to manufacturers seekin representation in all important centres. Membership available to established agents.

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15 PER CENT. SELLING COMMISSION. Han cream, chilblain cream, corn salve. Well-packe and with show material. Areas open: Newcastle Manchester, Cardiff, Southampton, Belfast. Writ giving details of territory covered. The Morlay Company, Blackfriars Wks., Elgin.

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DRUG STORES (owner retiring). Situated in prominent position, S.E. London; rebuilt 1932. Frontage 24 ft., return windows 33 ft. Main road nea two S.R. stations; buses, trams pass door. Established 24 years (same owner). 2 floors above, par sublet. Lease 31 years at £364, rates £160. Sublet produce £173. Could increase £100 if living accommodation not required. Substantial turnover (accountant's figures). Price, including heavy stock i region of £7,000. Unique opportunity for qualifie man or multiple branch. Full details, apply 1/162 C. & D. Office.

FOR SALE: Shop and business of the late Mr. Jame Burnett, Chemist, Ballater, Aberdeenshire. Publi Roup in the office of Messrs. Gray & Kellas, Solicitors, 12 Bon Accord Cres., Aberdeen, on November 21, 1947, at 12 noon. House available i desired. Apply to Messrs. Gray & Kellas.

HASTINGS. Chemists, photographers, fancy goods main junction road entrance to sea; large doubl shops and studios or display rooms; process room specially fitted for manufacturing chemist or photographer; modern living accommodation; excellen repair; good opening for above; possession whole £4,750 freehold. Write 212 Banbury Rd., Oxford

ICH, SUFFOLK. For sale, owing to death of r, chemist and druggist business in a shopping e in thickly populated suburb. Suitable for fied or unqualified chemist. Ample scope for nsary. Modern premises, D.F. shop, living , kitchen, 3 double bedrooms, bath, garage, en. Audited accounts available for inspection. age turnover £4,000, s.a.v. about £600. Price, ding freehold, £6,000. Sole Agents, Wright & l, 21/23 Princes St., Ipswich. T.N. 3552.

PRIETARY BUSINESS for sale. Tooth-paste toilet goods, etc., etc. Toilet quota approxily £2,000 per annum. Death vacancy. Plant machinery worth £1,750. Prior to ill health turnover was about £6,000 per annum with rt. Minimum inclusive purchase price required 00. Apply Orridge & Co., 184 Strand, W.C.2.

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ING and packing. Inquiries invited from manurers requiring this service. 2/21, C. & D. e.

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ORT manufacturers of cough pastilles, etc., to contact buying agents, all counties against don payment. Write 2/98, C. & D. Office.

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BOTTLES. 100 gross 2-oz. French cylindrical bottles with bakelite caps available. Offers. Also 1 gallon tins with screw caps. 2/153, C. & D. Office.

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FOR SALE: 100 kilos each Spanish Rosemary and Fennel oils. Original packages. Write 2/132, C. & D. Office.

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5 GROSS 3-piece, smart, one-oz. face powder boxes, 48/- gross; 56 lb. May & Baker cetyl alcohol in original tins, 7/6 lb.; two 3-gallon swan neck carboys, £5 each; 10 gross one-oz. amber UGB jars (squat) with wads and black enamelled metal lids, 60/- gross; 5 gross one-dram perfume bottles with blue bakelite caps, 60/- gross; about 28 lb. of cetacium, B,P., 5/- lb. 2/110, C. & D. Office.

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WANTED

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A BIG PRICE offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond St., London, W.1.

ADVERTISER, established firm, wishes to purchase home quota for toilet preparations. Active interest if required. 2/111, C. & D. Office.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Rd., Holloway, N.15.

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GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

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QUANTITIES required of 8 and 16-oz. ribbed ov bottles. State best price and delivery dates. 2/11 C. & D. Office.

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WANTED. Orders for ⅜ in. plain mouth flat bott glass tubes. Dunford, Manufacturer, 107 Westga Wakefield, Yorkshire. Tel. 4054.

WANTED urgently; 10 gross each stoppered a C.M. 20 oz bottles. Must be amber, win. sha Good price paid. Reply 1/435, C. & D. Office.

WANTED. Spools and backing papers, 120, 620, 1 sizes; must be in perfect condition with backi papers wound round spools. Payment of 3/- p dozen by return. Enclose name and address in p cel and give count. Grays Camera Shop, Lov Middle St., Taunton.

WANTED IN BULK, GLYCERINE B.P. Kindly st quantity and price. 2/145, C. & D. Office.

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WE REQUIRE large quantities of toilet rolls distribution to chemists and grocers, and shall glad to receive bulk offers to Carlton Laborator Ltd., 28 Pont St., London, S.W.1.

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FOR SALE: Unrefined beeswax, 40 lb. Off wanted. Write 2/131, C. & D. Office.

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